

Lolo Trail National Historic Landmark

National Register of Historic Places Registration Form with Continuation Sheets and Maps

**Idaho State Historical Society
Merle Well, Idaho State Historian
Sep 13, 1988 ---- May 13, 1991 ---- Feb 1, 1993**

This is the documentation for the Lolo Trail National Historic Landmark that Merle Wells mailed to me on Sep 19, 1996. Merle and I met on the Lolo Trail and had a long afternoon talk about my work and the need to update the documentation on the Lolo Trail NHL. He requested my help.

These continuation sheets and maps were sent to me to mark up and return just before Merle became terminally ill. I regret to say that I postponed my work on this and never returned to it before his death.

This contains the registration form, continuation sheets, and maps that the Idaho State HS prepared in 1988. The form pages were stamped with the date Mar 13, 1991, and the form was signed by the Keeper on Feb 1, 1993. The continuation pages were not numbered so I have numbered them in the order I received them. I have also added identifier labels to the continuation sheets and the maps that were not on the originals.

The Lolo Trail, as documented in these pages, is primarily the Northern Nez Perces Trail of 1805 through Hungry Creek (Lewis and Clark) and the Northern Nez Perces Trail of 1831 (John Work) over Snowy Summit. Some of the trail tread is not marked on some maps. I have added Idaho State HS Reference Series 941 to this document that shows their estimate of the tread diversion at Saddle Camp.

It is unfortunate that this Landmark documentation does not cover the portion of the Lolo Trail between the Weippe Prairie and Kamiah. I hope this can be added in the future because it rightfully belongs and is shown on an historic map in my collection.

My research was an independent discovery of the trail tread over the same span of geography. Thus, my research and this map set represent two independent versions of research on the Lewis and Clark trail tread over the Lolo Trail corridor.

Steve F. Russell, PhD, PE
Associate Professor of Electrical and Computer Engineering
Iowa State University
Ames, Iowa

Lolo Trail National Historic Landmark

This document contains all the information I have gathered on the landmark based on the work of Merle Wells, Idaho State Historian. The registration form was obtained from the internet site for historic landmarks. Mr. Wells provided me the following documents in a private communication on Sep 19, 1996:

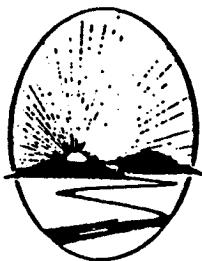
1. Registration Continuation Sheets containing the Sites Inventory, which includes the Lewis and Clark Campsites and other major sites such as Wendover Rest Stop and Fort Fizzle.
2. Registration Continuation Sheets containing landmark boundary Township, Range, Section and fractional Section information.
3. A map set of 7.5 minute topographic maps that document the landmark boundaries between Lolo, Montana (Travelers Rest) and the Weippe Prairie. They include both the Hungery Creek (1805) and Snowy Summit (1831) branches of the Northern Nez Perces Trail.

The continuation sheets and the maps were inadequately marked as to their purpose so I took the liberty of adding small title blocks to the sheets that are used in this digital version of them. The title blocks have information such as the origin of the documents and the official name of the topographic quads.

Some of the maps such as Map 13, do not show the tread determination. However, I believe that Merle Wells produced some subsequent documents that might have filled in these missing segments. The one I discovered so far is Idaho State Historical Society Reference Series 941 which I have added to this document even though it was not in the original set. Larry Jones, retired Idaho State Historian, sent it to me in Sep 16, 1996. I have included 941 in the next page of this digital document. It shows the proposed trail tread as it should have appeared on a portion of Map 13 in the NHL map set. I believe that other maps I've no access to might also be among papers now with the Idaho State Historical Society.

Steve F. Russell
Iowa State University
Ames, Iowa

REFERENCE SERIES



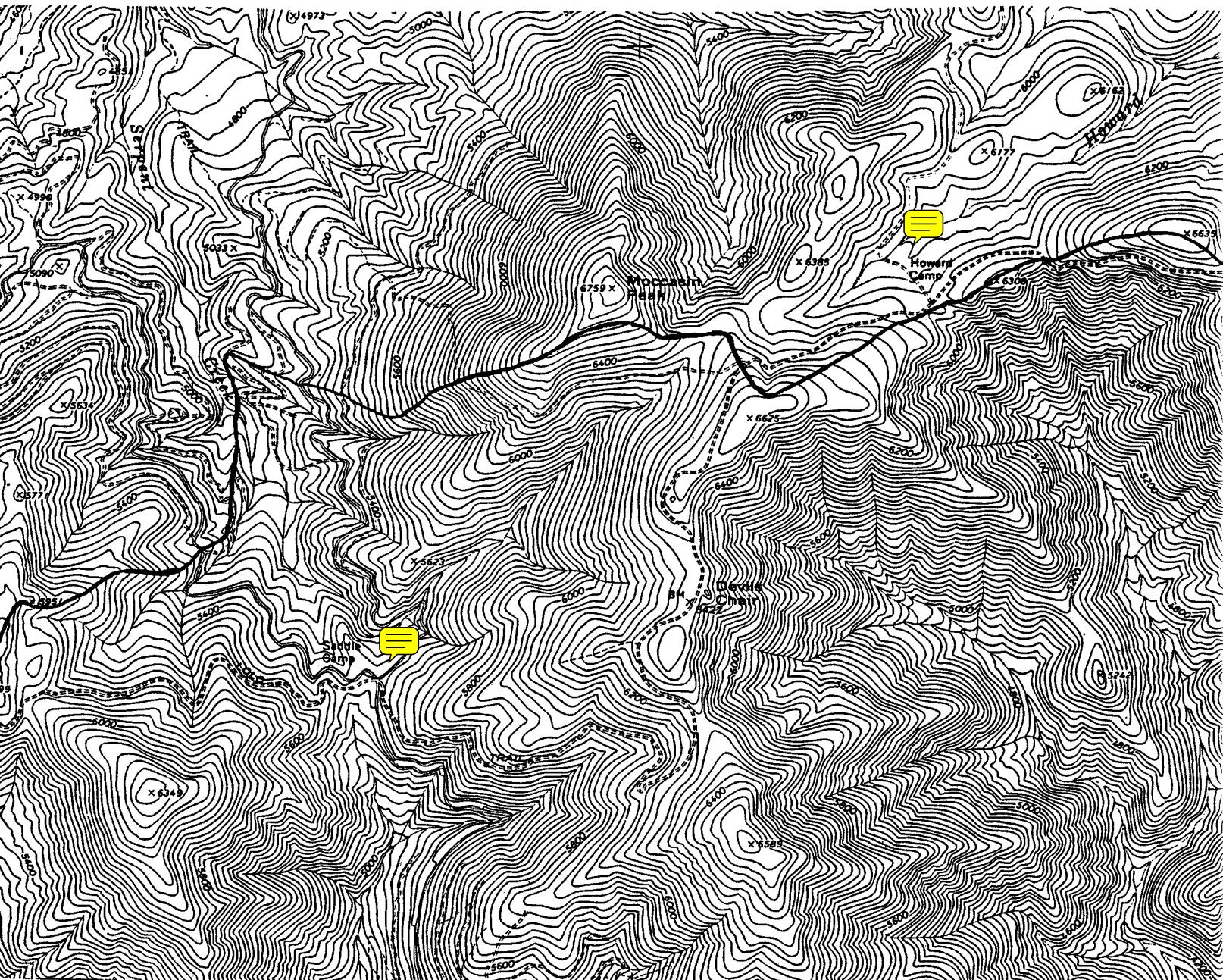
IDAHO HISTORICAL SOCIETY
610 N. JULIA DAVIS DRIVE
BOISE, IDAHO

Number 941

July 1992

LEWIS AND CLARK'S LOLO TRAIL ROUTE: SEGMENTS NORTH OF LOCHSA DIVIDE

Two short segments of Lewis and Clark's 1806 Lolo Trail route--one between Indian Post Office and Moon Saddle and another near Moccasin Peak--deviated into drainage north of Lochsa divide. Instead of continuing on top of that potential traffic way, they avoided a detour and an unnecessary climb up to Indian Lookout west of Indian Post Office; this north side bypass still is utilized for a forest motorway. A longer departure from their normal ridge-top route led to an ascent nearby to Moccasin Peak, also a more direct access that took them from a crossing just above two small upper forks of Serpent Creek. Later Lolo Trail traffic preferred to hold to variants through Saddle Camp that did not descend into Serpent Creek. Lewis and Clark's 1806 route had an important advantage there for early spring travel, because Moccasin Peak's snow banks had melted from its sunny slope.



Map Set on Lolo Trail
National Historic Landmark

Sent to me by Merle Wells
to mark up and return just
before he got sick.

Steve Russell



IDAHO STATE HISTORICAL SOCIETY

State Historic Preservation Office
210 Main Street
Boise, Idaho 83702-7264

Professor Steve Russell
330 Cover
Iowa State University
Ames, Iowa 50011

Lolo Trail
National Register of Historic Places
Sep 13, 1988 ---- May 13, 1991 ---- Feb 1, 1993
Merle W. Wells, Idaho State Historian
Idaho State Historical Society

United States Department of the Interior
National Park Service**National Register of Historic Places
Registration Form**

MAY 13 1991

This form is for use in nominating or requesting determinations of eligibility for individual properties or districts. See instructions in *Guidelines for Completing National Register Forms* (National Register Bulletin 18). Complete each item by marking "x" in the appropriate box or by entering the requested information. If an item does not apply to the property being documented, enter "N/A" for "not applicable." For functions, styles, materials, and areas of significance, enter only the categories and subcategories listed in the instructions. For additional space use continuation sheets (Form 10-900a). Type all entries.

1. Name of Property

historic name Lolo Trail
other names/site number

2. Location

street & number Lolo, Montana to Weippe, Idaho not for publication
city, town

state	Idaho	code	16	county	Idaho	code	49	zip code	83553
	Montana		30		Missoula		63		59847

3. Classification

(See continuation sheet.)

Ownership of Property	Category of Property	Number of Resources within Property	
<input checked="" type="checkbox"/> private	<input type="checkbox"/> building(s)	Contributing	Noncontributing
<input checked="" type="checkbox"/> public-local	<input type="checkbox"/> district	248	buildings
<input checked="" type="checkbox"/> public-State	<input checked="" type="checkbox"/> site	32	2 sites
<input checked="" type="checkbox"/> public-Federal	<input type="checkbox"/> structure		structures
	<input type="checkbox"/> object		objects
		32	250 Total

Name of related multiple property listing:
Nez Perce 1877 Campaign

Number of contributing resources previously
listed in the National Register 0

4. State/Federal Agency Certification

As the designated authority under the National Historic Preservation Act of 1966, as amended, I hereby certify that this
 nomination request for determination of eligibility meets the documentation standards for registering properties in the
 National Register of Historic Places and meets the procedural and professional requirements set forth in 36 CFR Part 80.
 In my opinion, the property meets does not meet the National Register criteria. See continuation sheet.

Signature of certifying official

Date

State or Federal agency and bureau

In my opinion, the property meets does not meet the National Register criteria. See continuation sheet.

Signature of commenting or other official

Date

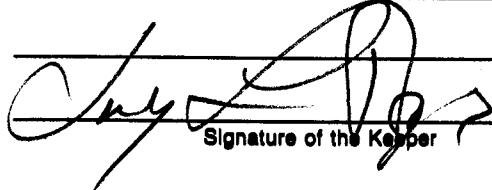
State or Federal agency and bureau

5. National Park Service Certification

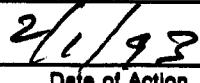
I, hereby, certify that this property is:

- entered in the National Register.
 See continuation sheet.
- determined eligible for the National Register. See continuation sheet.
- determined not eligible for the National Register.

- removed from the National Register.
- other, (explain:) NHL Boundary Study


 Signature of the Certifying Official

Signature of the Certifying Official


 Date of Action

6. Function or Use

Historic Functions (enter categories from instructions)

Landscape: forest

Current Functions (enter categories from instructions)

Landscape: forest

Agriculture: field

7. Description

Architectural Classification

(enter categories from instructions)

N/A

Materials (enter categories from instructions)

foundation N/A

walls

roof

other

Describe present and historic physical appearance.

When Lewis and Clark turned westward up Lolo creek, they traversed an open mountain valley for a little more than ten miles. Following close to its north edge, they then ascended a flat ridge, where scarred yellow pine (where traveling Indians had stripped and eaten bark) were more easily noticed by William Clark, September 12, than they are now. Subsequent logging has removed most of those traces, but some still survive on a ridge before Graves creek as well as near Howard creek. Beyond Howard creek, long stretches of deep old trail mark their ridge-side course. Some portions of valley trail remain, particularly near Lolo Hot Springs, but a series of ridges gave access to a large summit meadow they encountered after entering Idaho.

Two routes were available then. One led along a series of ridges to a fishery near Powell, a choice that seemed appropriate to their Shoshoni guide, who saw that they really needed to go fishing for supplies. (Lewis and Clark thought their guide got lost several times including their Salmon Bitterroot valley crossing as well as their fishing detour. But Toby, their guide, actually knew exactly what he had to do to get them through an exceptionally confusing country. A number of more recent Lewis and Clark specialists also have been misled by ignorance of Toby's situation, and their misguided comments should be ignored.) West of their fishery, they ascended Wendover ridge to a long stretch of ridge trail from which they deviated near Indian postoffice and west of Sherman peak. Again, Toby had not led them astray, because their Nez Perce guides used his route (aside from omitting his Powell fishing detour) when they returned in 1806. They normally had to follow ridge routes to avoid windfalls of timber and to stay clear of brush that made stream bottoms impassable. Their ridgetop segments often were narrow and well defined, but in many places their route was more of a trail zone than a single, clearly defined track. On that account they could not find their way west, nor even their return route in 1806, without competent, experienced Indian guides. Lewis and Clark were skilled explorers, and their problems in returning over a trail they already had crossed indicate what complex route difficulties they faced. Now that their Shoshoni and Nez Perce guides are long gone, modern specialists continue to have difficulty identifying some segments of their trail zone. In that respect, Lewis and Clark's Lolo route retains its integrity. If a broad, clear trail were cut through there, integrity would be lost and Lewis and Clark's landmark adventure could not be experienced any more.

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**National Register of Historic Places
Continuation Sheet**

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Some Montana farming, along with logging in both states, has affected some Lolo trail segments, but modern highways are absent from most of their Lolo route. Compared with most of Lewis and Clark's route, this portion retains high integrity and is being preserved. Lewis and Clark could still get lost in enough places to feel right at home. Constant change in timber patterns characterized that era then and now, and no one can stop trees and brush from growing, maturing, falling, or, in many cases, from burning. That pattern still continues.

Some, but not very many, buildings or other properties that do not contribute to National Historic Landmark significance of this 86,000 acre historic landscape are eligible for National Register recognition as ranches, United States Forest Service installations, recreational sites or structures, or archaeological sites with values of state or local importance. These have not been evaluated in connection with this National Historic Landmark boundary investigation.

This unusually large National Historic Landmark includes 319 identifiable parcels of land in Idaho and 63 in Montana. Each one of these 382 segments has been identified and evaluated in a time consuming process that has required several years for completion. In a corridor of significant travel extending well over a hundred miles in length, this avenue of nationally significant discovery and communication has retained its integrity to a remarkable degree. Although modern markers and occasional trails help to facilitate travel there, preservation of a Lolo Trail zone of wilderness travel is provided for in this landmark area that contributed an inspirational chapter to United States history.

8. Statement of Significance

Certifying official has considered the significance of this property in relation to other properties:

 nationally statewide locallyApplicable National Register Criteria A B C DCriteria Considerations (Exceptions) A B C D E F G N/A**Areas of Significance (enter categories from instructions)**Ethnic heritage: Native AmericanExploration/settlement**Period of Significance**1805-18061877**Significant Dates****Significant Person**Meriwether Lewis and William Clark**Cultural Affiliation**N/A**Architect/Builder**N/ASacajewea and Toby (Shoshoni Indians)

State significance of property, and justify criteria, criteria considerations, and areas and periods of significance noted above.

One of four traditional eighteenth century Indian routes around or through a 200 mile long Bitterroot Mountain barrier separating Northwest Plateau Indians from Montana's buffalo plains, Idaho's Lolo Trail provided Lewis and Clark a difficult, but not impossible, route for access to navigable Columbia river streams. They rejected a much more distant Clark's fork-Pend d'Oreille route partly because it was impassable to salmon, and did not hear about a Montana trail (Saint Joe-Clearwater divide) route that also would have been a lot longer. Their Shoshoni guide lacked experience with their best choice--a Salmon and Clearwater divide Nez Perce trail--because he had no occasion to penetrate Nez Perce country that way. So they wound up with a circuitous Lolo Trail route that offered access to an upper Lochsa fishery patronized by Flathead bands that their guide was familiar with. Their expedition's success depended entirely upon identifying a Bitterroot crossing, and they were fortunate to find a Shoshoni guide who could make a late-season trip that way. Although their route was later examined by Hudson's Bay Company trappers and John Mullan's road and railway surveyors, it turned out to be useful only for Nez Perce Indians who continued to employ it to reach Montana's buffalo country. Seven decades later, an updated version of Lewis and Clark's Lolo Trail route gained a second phase of national significance when hundreds of Oregon and Idaho Nez Perce Indians had to traverse it in order to get away from General Oliver Otis Howard's army that had embarked upon more than a four month campaign against them. Recognized as a National Historic Trail by Congressional legislation, October 6, 1986 (100 Stat. 1122) that Lolo Trail variant--which mostly follows Lewis and Clark's version--needs identification where it diverges from earlier alternates. In 1866-1867, Major Sewall Truax, funded by a special federal appropriation, constructed an improved military road for better west-end access as well as for superior grades past difficult places, and his route proved useful to General Howard during his 1877 campaign. Howard hardly could have transported heavy military equipment over some portions of Lewis and Clark's route. This aspect of Lolo Trail significance was recognized in a 1976 National Historic Landmark nomination form, and is considered in developing this form also. A vast Lewis

 See continuation sheet

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and Clark as well as Nez Perce campaign literature elaborates both phases of Lolo Trail significance, so all of that does not need to be recapitulated here. Because it was essential for Lewis and Clark's success and for General Howard's campaign, that formidable route has exceptional national importance. A multiple property documentation form provides contextual information for Howard's campaign.

In adopting a Lolo Trail route from Montana's Bitterroot valley to Idaho's Weippe prairie, Meriwether Lewis and William Clark brought national recognition to an already significant avenue for western travel. As an extensive historic landmark largely unaltered by subsequent modification or structural intrusion, their route gained exceptional national significance because it represented their most difficult passage of their entire journey from Saint Louis to Fort Clatsop: without a successful crossing there, they never could have achieved their expedition's primary objective to discover a road connecting navigable Missouri and Columbia headwaters. Regarded as an essential component of western expansion, their Lolo Trail experience, more than any other feature of their long journey, gave them a well-deserved national reputation. Two other people also contributed in an essential way to their Lolo Trail success, and merit national recognition for their association with this historic landmark. Toby, their Shoshoni guide and Sacajewea, their Shoshoni interpreter. They also contributed major services in other places, but their most remarkable test and achievement came during their Lolo Trail passage. Without Toby's participation Lewis and Clark never could have found their way through that confusing country. This was their only route segment where they depended entirely upon a guide. Aside from providing valuable services in translating messages that allowed communication with Indian peoples, Sacajawea identified their expedition as a non-military venture that would not embark upon Indian warfare. Sacajawea's ability to survive that hazardous crossing identifies her skills and contribution more with this landmark than with other places. So both Toby and Sacajawea need to be recognized for exceptional national achievement associated with this landmark site.

9. Major Bibliographical References

Because such a vast Lolo Trail literature is available on other forms
only four items are listed here:

John Peebles, Lewis and Clark: Trails and Campsites in Idaho (Boise, 1966), 40p.

C. M. McLeod, *A Cultural History of the Lolo Trail* (M.A., University of Montana, 1984), 66-85.

Roy E. Appleman, ed., Lewis and Clark: Historic Places Associated with their Transcontinental Exploration, 1804-1806 (Washington: National Park Service, 1975), 164-178, 208-213, 272-284, 372-375.

Ralph S. Space, *The Lolo Trail* (Lewiston, 1984).

See continuation sheet

Previous documentation on file (NPS):

- preliminary determination of individual listing (36 CFR 67)
has been requested
 - previously listed in the National Register
 - previously determined eligible by the National Register
 - designated a National Historic Landmark
 - recorded by Historic American Buildings
Survey # _____
 - recorded by Historic American Engineering
Record # _____

Primary location of additional data:

- State historic preservation office
 - Other State agency
 - Federal agency
 - Local government
 - University
 - Other

Specify repository:

Idaho State Historical Society

10. Geographical Data

Acreage of property _____ More than 86,000

UTM References

A 
Zone **Easting**

 Northing

B Zone Easting Northing

A metric ruler showing centimeters from 0 to 10. The markings are at 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, and 10.

See continuation sheet

Verbal Boundary Description

See continuation sheet

Boundary Justification

See continuation sheet

11. Form Prepared By

name/title Merle W. Wells, Historian

organization Idaho State Historical Society

street & number 610 N. Julia Davis Drive

city or town Boise state Idaho zip code 83702

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Publication of Gary Moulton's definitive set of Lewis and Clark expedition journals offered coverage of their westbound Lolo Trail travel subsequent to preparation of this National Park Service form. Another volume, covering Lewis and Clark's 1806 Lolo Trail experience, is about to appear. No future Lolo Trail bibliography will be complete without inclusion of these two distinguished volumes.

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BOUNDARY JUSTIFICATION

Boundary justification: Lewis and Clark's Lolo trail route presents some unusual problems in National Historic Landmark boundary identification and definition. A horse trail utilized by Nez Perce buffalo hunters and Flathead salmon fishers, it was obscure enough two centuries or so ago that Lewis and Clark had to employ an experienced Shoshoni guide to find their way through a difficult mountain country, and their own tracks have mostly disappeared, although their trail can be recognized in some stretches with little or no difficulty. Clark's surveys, complete with bearings and distances, along with a number of expedition journals, make recovery of their route possible. Generally a ridge route typical of travel in that era, it has some segments subject to easy identification. Other portions resist precise definition. In this situation, a narrow route corridor that widens to a mile or more in portions that have a greater range of error, is delineated. Largely in an unsettled forest country, their Lolo trail grade can be given boundaries only in terms of cadastral survey, utilizing section, range, and township lines. A boundary approaching 400 miles in length has to be employed in order to accommodate a trail that runs close to 200 miles in length, and a National Register polygon of exceptional shape, but with only 26 coordinates, is required to enclose such an area. Some of these are on maps (West Fork butte, Grave peak, Savage ridge, Bear Mountain) that have no trail route. A map more than 20 feet long and nearly 10 feet high, supplied on 24 United States Geological Survey 24000 scale topographic sheets, displays a boundary defined along section lines and subdivisions. Although a boundary could be indicated in terms of section corners and quarter corners, starting and concluding in Bitterroot valley or at Weippe prairie, more than a thousand angles would have to be turned in order to accomplish that, and except for portions at either end, boundaries directly opposite each other would appear on different continuation pages that could be matched up only with great difficulty. In order to have a boundary definition in which land included or excluded can be identified with ease, all sections or parts of sections are listed by range and township. That arrangement provides convenient reference, along with a large map that delineates all land identified in this National Historic Landmark registration.

A trail corridor at least a half mile wide generally is necessary to avoid an excessively long list of land parcels that are included. Reducing that corridor by half would increase this list by at least four times and create excessive difficulty in determining what tracts are included. In many places where trail routes diverge or wander about because of difficult terrain, a wider corridor is advantageous. Other trail segments where an exact location cannot be ascertained require a wider corridor, which is proportional to uncertainty in route information. Lewis and Clark followed more than one variant in places on their journey back and forth, as did eighteenth century Indian hunters and fishers who developed their trail. In every case, a corridor of minimum width consistent with precision of definition and accuracy of information has been employed. Most Lolo trail segments occupy Forest Service lands or major lumber company lands that are managed with attention to cultural values.

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Lolo Trail National Historic Landmark Sites Inventory

1. Lewis, 21 Sept 05
2. Clark, 19 Sep 05
3. Camp, 15 June 06
4. Camp, 18-20, 24 June 06
5. Lewis, 20 Sep 05
6. Camp, 16 June 06
7. Camp, 25 June 06

Note: a National Register form, prepared 13 July 1976, refers to a campsite of 16 Sep 05, when 16 June 06 is correct.

8. Lewis, 19 Sep 05
9. Camp, 17 June 06
10. Clark, 18 Sep 05
11. Cache, 17 June 06
12. Sherman saddle
13. Sherman peak
14. Lewis, 18 Sep 05
15. Camp, 26 June 06
16. Smoke cairn
17. Camp, 17 Sep 05
18. Howard's camp, 4 Aug 77
19. Camp, 16 Sep 05
20. Indian Postoffice: Lewis and Clark turned north shortly before reaching this site, which is an important Nez Perce religious site, rather than any sort of post office or communications location.
21. Camp, 27 June 06
22. Camp, 15 Sep 05
23. Camp, 28 June 06
24. Wendover rest stop
25. Wendover fishery, 15 Sep 05
26. Camp, 14 Sep 05
27. Howard's camp, 6 Aug 77
28. Camp, 13 Sep 05

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Lolo Trail National Historic Landmark Sites Inventory

Montana sites:

29. Lolo hot springs
30. Camp, 12 Sep 05
31. Camp, 29 Jun 06
32. Camp, 11 Sep 05
33. Fort Fizzle, 28 July 77
34. Camp, 10 Sep 05, 30 June 06

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Lolo Trail National Historic Landmark boundaries include Idaho:

T34N, R4E, Section 1, NE1/4;

24, NE1/4, S1/2;

25, W1/2;

T34N, R5E, Section 2;

3;

4;

5;

6;

7, E1/2

8;

9, N1/2;

10;

11;

12;

13, N1/2;

T34N, R6E, Section 7, S1/2, S1/2 N1/2;

8, S1/2, S1/2 N1/2;

9, S1/2, S1/2 N1/2;

10, S1/2, S1/2 N1/2;

11, S1/2, S1/2 N1/2;

12, NE1/4, S1/2, S1/2 NW1/4;

13, W1/2, NE1/4;

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14;

15, N1/2;

16, N1/2;

17, N1/2;

18, N1/2;

15, N1/2 NW1/4;

6;

7, W1/2;

136;

18, SW1/4 NW1/4, S1/2 NE1/4, NW1/4 SE1/4, E1/2 SE1/4;

9, SW1/4;

14, S1/2;

15, S1/2 NW1/4, N1/2 S1/2;

16, NE1/4 NW1/4, NE1/4;

18, E1/2, SW1/4 or S1/2 NE1/4;

19, NW1/4 NW1/4;

23, W1/2;

24, SW1/4 SW1/4;

25, NW1/4 NW1/4, NE1/4 NE1/4, S1/2 N1/2, N1/2 S1/2;

30;

31;

32;

33;

34;

n 1, N1/2, W1/2 SW1/4;

2, SE1/4 SW1/4, S1/2 SE1/4, NE1/4 SE1/4;

8, SE1/4 SE1/4;

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9, E1/2 NW1/4, NE1/4, SW1/4;
10, N1/2;
11, NW1/4, N1/2 NE1/4;
16, NW1/4 NW1/4;
17, W1/2 SW1/4, SW1/4 SE1/4, N1/2 SE1/4, S1/2 NE1/4, NE1/4
NE1/4;
19, S1/2 S1/2;
20, NE1/4 NW1/4, S1/2 NW1/4, N1/2 SW1/4, SW1/4 SW1/4;
30, N1/2 NW1/4;

T35N, R7E, Section 12, SE1/4;

13, N1/2;

14;

15;

16;

17, E1/2;

20;

29;

31, SE1/4

32;

T35N, R8E, Section 1, E1/2 W1/2, E1/2;

7, S1/2;

8, S1/2 N1/2, S1/2;

9, S1/2 N1/2, S1/2;

12, SW1/4, E1/2 SE1/4, E1/2 NW1/4, W1/2 NE1/4;

13, W1/2;

14;

15;

16;

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26, S1/2;

30, S1/2 SW1/4, SW1/4 SE1/4;

31;

32;

33;

34;

35, N1/2;

T36N, R10E, Section 1, SW1/4, W1/2 SE1/4, SW1/4 NW1/4, E1/2 NW1/4, W1/2 NE1/4,
NE1/4 NE1/4;

11, W1/2 SW1/4, SE1/4, E1/2 NE1/4;

12, N1/2 NW1/4;

14, NW1/4, NW1/4 NE1/4;

15, S1/2 SW1/4, SE1/4, S1/2 NE1/4;

19, E1/2 NW1/4, SW1/4, NW1/4 SE1/4, NE1/4;

20, N1/2;

21, S1/2 N1/2, N1/2 S1/2;

22, NW1/4;

30, NW1/4;

T37N, R10E, Section 35, W1/2;

36;

T37N, R11E, Section 12, S1/2;

13;

14;

15;

16;

17;

18;

19;

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21, N1/2;

22;

23;

24;

27, NW1/4 NW1/4;

28;

29, S1/2;

30;

31, N1/2;

32, N1/2;

33, N1/2;

T37N, R12E, Section 1, NE1/4, S1/2;

2, SE1/4;

9, S1/2;

10, NE1/4, S1/2;

11, NE1/2, N1/2 SW1/4;

16, N1/2;

17, N1/2, W1/2 SW1/4;

18;

19;

20, W1/2 W1/2;

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Merle W. Wells, Idaho State Historian
Idaho State Historical Society

T37N, R13E, Section 2, W1/2 NW1/4;

3, N1/2, N1/2 S1/2, SW1/4 SW1/4;

4, N1/2, NE1/4 SE1/4;

5, N1/2 N1/2;

6, SW1/4 NW1/4, N1/2 N1/2;

10, W1/2 NW1/4, SW1/4;

(8)
SFR

7, E1/2;
8;
17;
18;
21, E1/2 SE1/4, W1/2;
22, NW1/4;
28;
31, S1/2;
32, S1/2 NW1/4, NE1/4, S1/2;
33;

T38N, R14E, Section 30, S1/2;
31, N1/2, SE1/4, N1/2 SW1/4;
32, W1/2 W1/2, S1/2 S1/2;
35, SW1/4 SW1/4;
36, S1/2 S1/2;

T38N, R15E, Section 4, W1/2;

5;
6, SE1/4;
7, E1/2;
8;
17;

18.

Lolo Trail
National Register of Historic Places
Sep 13, 1988 — May 13, 1991 — Feb 1, 1993
Merle W. Wells, Idaho State Historian
Idaho State Historical Society

Montana:

T10N, R24W, Section 1, W1/2, W1/2 E1/2;
12, NW1/4, NW1/4 NE1/4; (both fractional)

T11N, R20W, Section 5, NW1/4 NW1/4, north of Lolo Creek;

(9)
SFR

6, N1/2 NW1/4, NE1/4, north of Lolo Creek;
T11N, R21W, Section 1, N1/2 NW1/4, NW1/4 NE1/4, north of Lolo Creek;
2, NE1/4 NE1/4 NE1/4;
T11N, R23W, Section 5, NW1/4, W1/2 NE1/4, N1/2 SW1/4, SW1/4 SW1/4;
6, E1/2 SE1/4;
7, W1/2;
8, NW1/4 NW1/4;
18, west of Lolo Creek;
19, northwest of Lolo Creek;
T11N, R24W, Section 24, E1/2;
30, E1/2;
36, E1/2, SW1/4;
T12N, R20W, Section 31, S1/2 SW1/4 SW1/4, SW1/4 SE1/4 SW1/4;
32, SW1/4, N1/2 SE1/4;
33, S1/2 N1/2, NW1/4 SE1/4, S1/2 N1/2, north of Lolo Creek;
34, S1/2 N1/2, S1/2;
35, south of Lolo Creek;
T12N, R21W, Section 28, SW1/4 SW1/4 SW1/4;
T12N, R21W, Section 29, S1/2, north of Lolo Creek;
30, N1/2 S1/2, S1/2 NW1/4;
33, NW1/4, N1/2 S1/2, S1/2 NE1/4, north of Lolo Creek;
34, S1/2 N1/2, S1/2;
35, S1/2 NW1/4, S1/2, north of Lolo Creek;
T12N, R22W, Section 19, north of Lolo Creek;
20, north of Lolo Creek;

21;

22;

23;

Lolo Trail
National Register of Historic Places
Sep 13, 1988 — May 13, 1991 — Feb 1, 1993
Merle W. Wells, Idaho State Historian
Idaho State Historical Society

(10)

SFR

24, S1/2;

25, N1/2, N1/2 SE1/4;

26, N1/2;

T12N, R23W, Section 24, SW1/4, E1/2 west of Lolo Creek;

25, NW1/4 west of Lolo Creek;

26, N1/2 north of Lolo Creek;

27, N1/2;

28, N1/2, SW1/4;

32, SE1/4;

33, W1/2 north of Lolo Creek.

Lolo Trail

National Register of Historic Places

Sep 13, 1988 --- May 13, 1991 --- Feb 1, 1993

Merle W. Wells, Idaho State Historian

Idaho State Historical Society

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

114°07'30"
46°45'
T. 12 N.
S181 R.
1/2 MI E.

33
34
35

850 000 FEET (SOUTH):

MISSOULA (U.S. 101/12 MI.)

SW Lolo 0.6 MI.

3177 1/2 SE
SOUTHWEST MISSOULA

7.5 R. 20 W.

M. 11 724000 5180000

T. 11 N.
2.5 MI. TO U.S. 12
Creek

300 FEET
(SOUTH)

5179
5178
5177
5176

350 000
(CENTR.)

5175
5174
5173
5172

350 000
(NORTH)

5171
5170
5169
5168

350 000
(EAST)

5167
5166
5165
5164

350 000
(WEST)

5163
5162
5161
5160

350 000
(SOUTH)

5159
5158
5157
5156

350 000
(NORTH)

5155
5154
5153
5152

350 000
(EAST)

5151
5150
5149
5148

350 000
(WEST)

34
BM
3178

M

Lolo

RIVER

Creek

Macley

Bridge

12

11

10

9

8

7

6

5

4

3

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-3

-4

-5

-6

-7

-8

Lolo Trail NHL
Idaho State Historical Society
Merle Wells 1988

Map 01
Florence, MT Quad

Lolo Trail

National Register of Historic Places
Sep 13, 1988 — May 13, 1991 — Feb 1, 1993
Merle W. Wells, Idaho State Historian
Idaho State Historical Society

FLORENCE QUADRANGLE
MONTANA

7.5 MINUTE SERIES (TOPOGRAPHIC)

870 000 FEET (CENTRAL)

3179 114°00' 46°44'

T. 12 N.
5181

T. 11 N.
5181

3178 114°00' 46°44'

T. 12 N.
5181

T. 11 N.
5181

3177 114°00' 46°44'

T. 12 N.
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T. 11 N.
5181

3176 114°00' 46°44'

T. 12 N.
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T. 11 N.
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3175 114°00' 46°44'

T. 12 N.
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T. 11 N.
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3174 114°00' 46°44'

T. 12 N.
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T. 11 N.
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3173 114°00' 46°44'

T. 12 N.
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T. 11 N.
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3172 114°00' 46°44'

T. 12 N.
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T. 11 N.
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3171 114°00' 46°44'

T. 12 N.
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T. 11 N.
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3170 114°00' 46°44'

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3169 114°00' 46°44'

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3168 114°00' 46°44'

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3166 114°00' 46°44'

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3165 114°00' 46°44'

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3164 114°00' 46°44'

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3163 114°00' 46°44'

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3162 114°00' 46°44'

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3161 114°00' 46°44'

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3159 114°00' 46°44'

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3158 114°00' 46°44'

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3157 114°00' 46°44'

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3156 114°00' 46°44'

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3155 114°00' 46°44'

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3152 114°00' 46°44'

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3151 114°00' 46°44'

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3149 114°00' 46°44'

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3147 114°00' 46°44'

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3146 114°00' 46°44'

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3145 114°00' 46°44'

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3144 114°00' 46°44'

T. 12 N.
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T. 11 N.
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3143 114°00' 46°44'

T. 12 N.
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T. 11 N.
5181

3142 114°00' 46°44'

T. 12 N.
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T. 11 N.
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3141 114°00' 46°44'

T. 12 N.
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T. 11 N.
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3140 114°00' 46°44'

T. 12 N.
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T. 11 N.
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3139 114°00' 46°44'

T. 12 N.
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T. 11 N.
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3138 114°00' 46°44'

T. 12 N.
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T. 11 N.
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3137 114°00' 46°44'

T. 12 N.
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T. 11 N.
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3136 114°00' 46°44'

T. 12 N.
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T. 11 N.
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3135 114°00' 46°44'

T. 12 N.
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T. 11 N.
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3134 114°00' 46°44'

T. 12 N.
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T. 11 N.
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3133 114°00' 46°44'

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T. 11 N.
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3132 114°00' 46°44'

T. 12 N.
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T. 11 N.
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3131 114°00' 46°44'

T. 12 N.
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T. 11 N.
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3130 114°00' 46°44'

T. 12 N.
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T. 11 N.
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3129 114°00' 46°44'

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T. 11 N.
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3128 114°00' 46°44'

T. 12 N.
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T. 11 N.
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3127 114°00' 46°44'

T. 12 N.
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T. 11 N.
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3126 114°00' 46°44'

T. 12 N.
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T. 11 N.
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3125 114°00' 46°44'

T. 12 N.
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T. 11 N.
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3124 114°00' 46°44'

T. 12 N.
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T. 11 N.
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3123 114°00' 46°44'

T. 12 N.
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T. 11 N.
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3122 114°00' 46°44'

T. 12 N.
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T. 11 N.
5181

3121 114°00' 46°44'

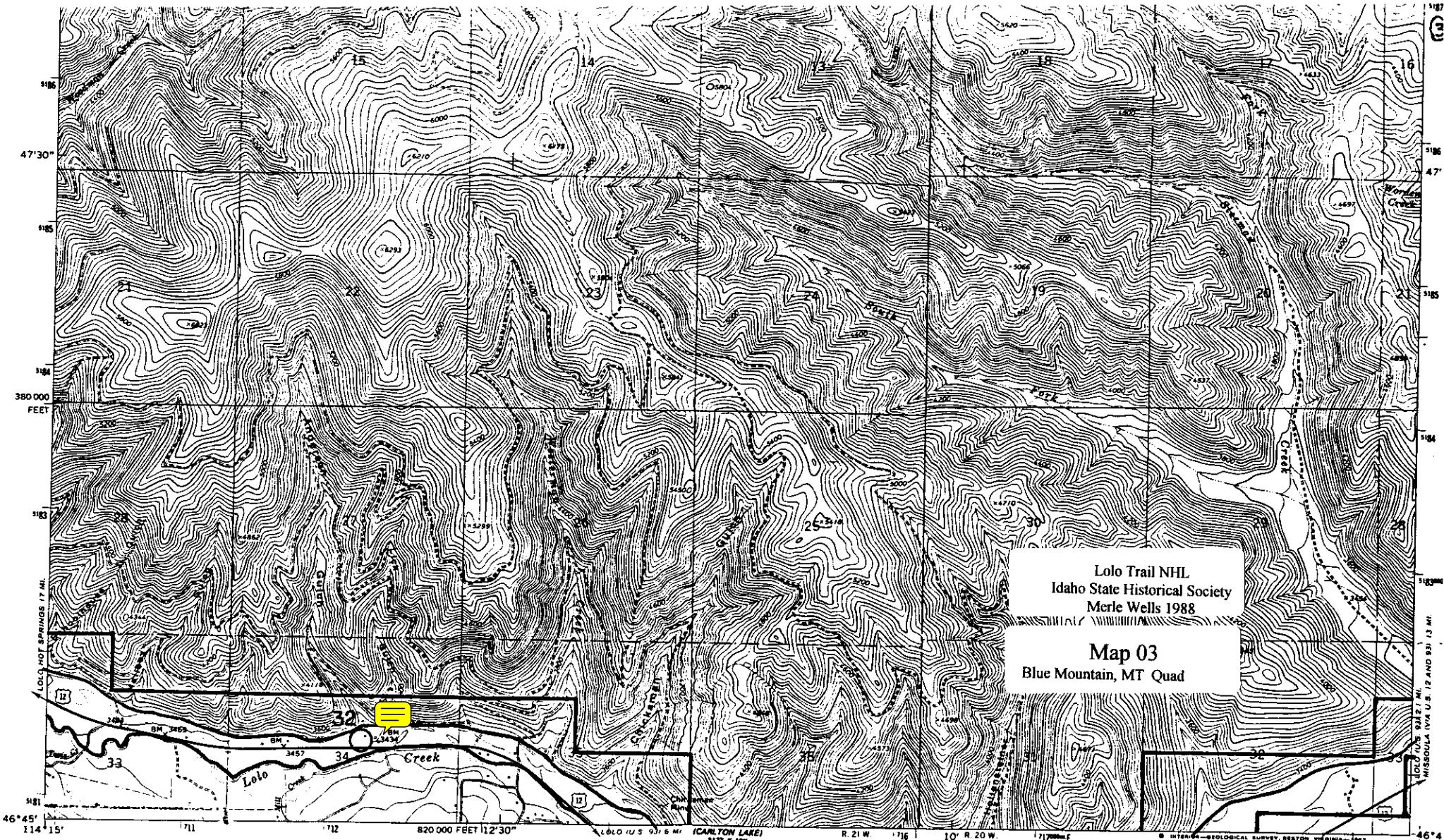
T. 12 N.
5181

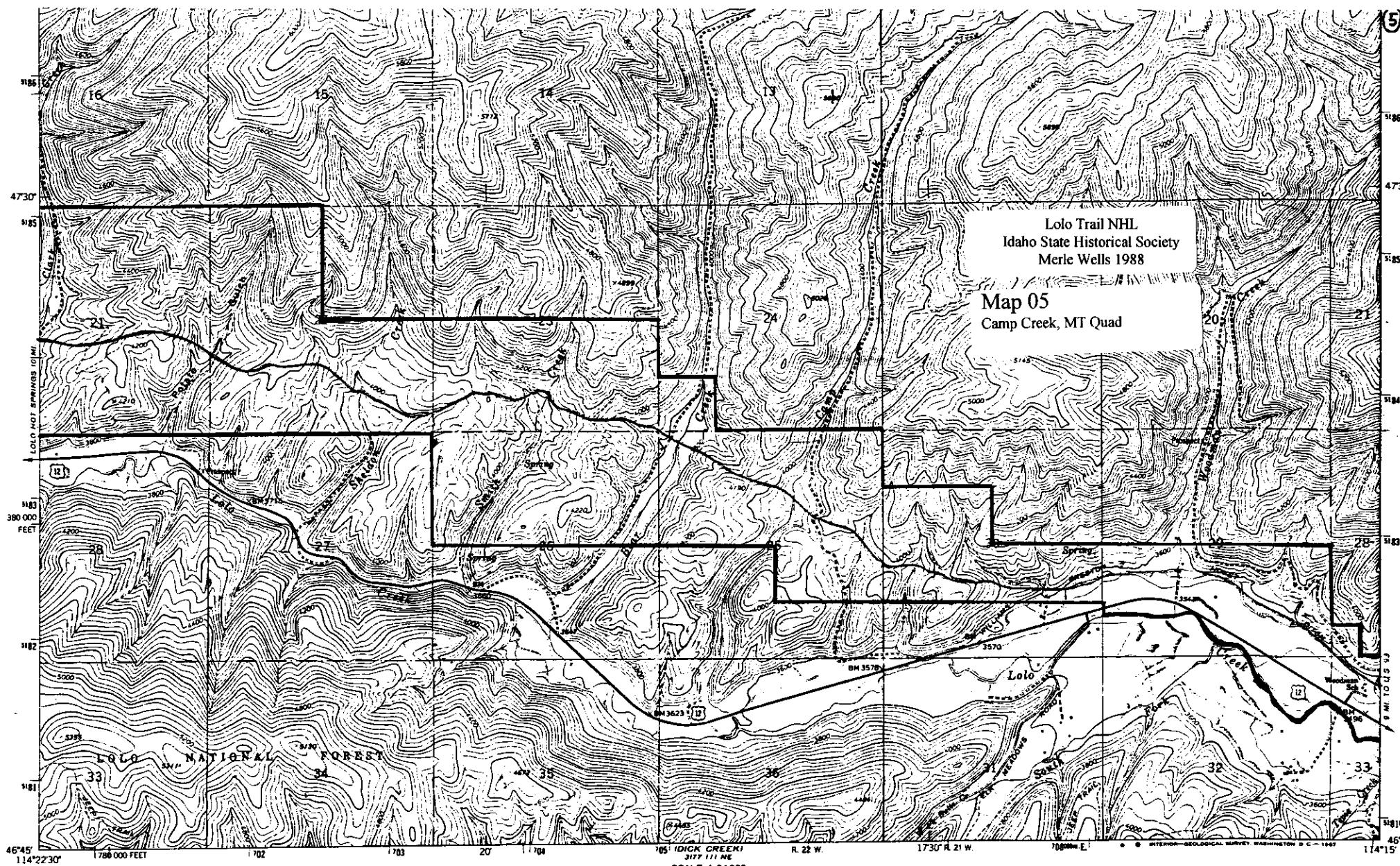
T. 11 N.
5181

3120 114°00' 46°44'

T. 12 N.
5181

T. 11 N.
5181





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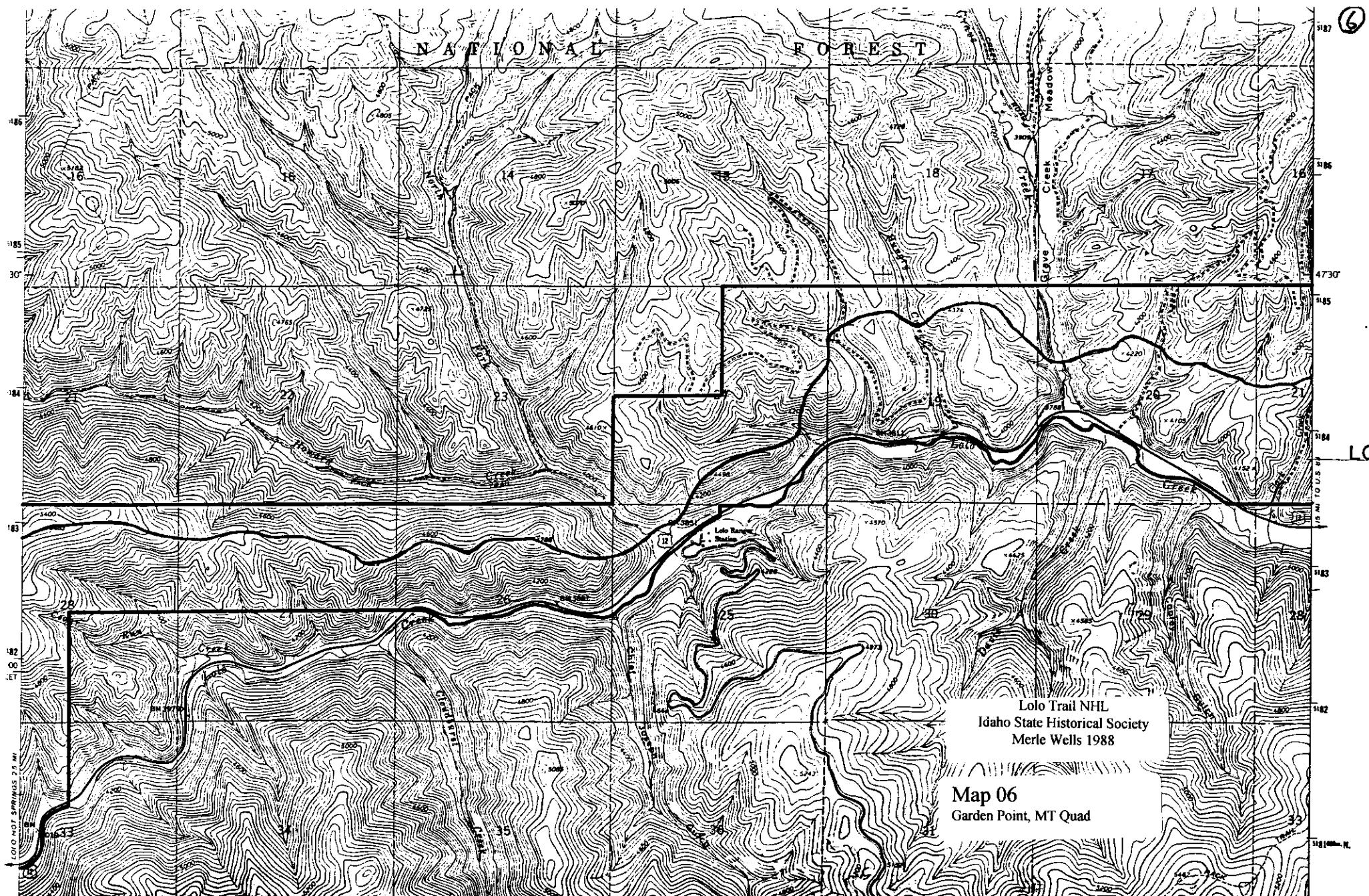
Control by USGS and USC&GS

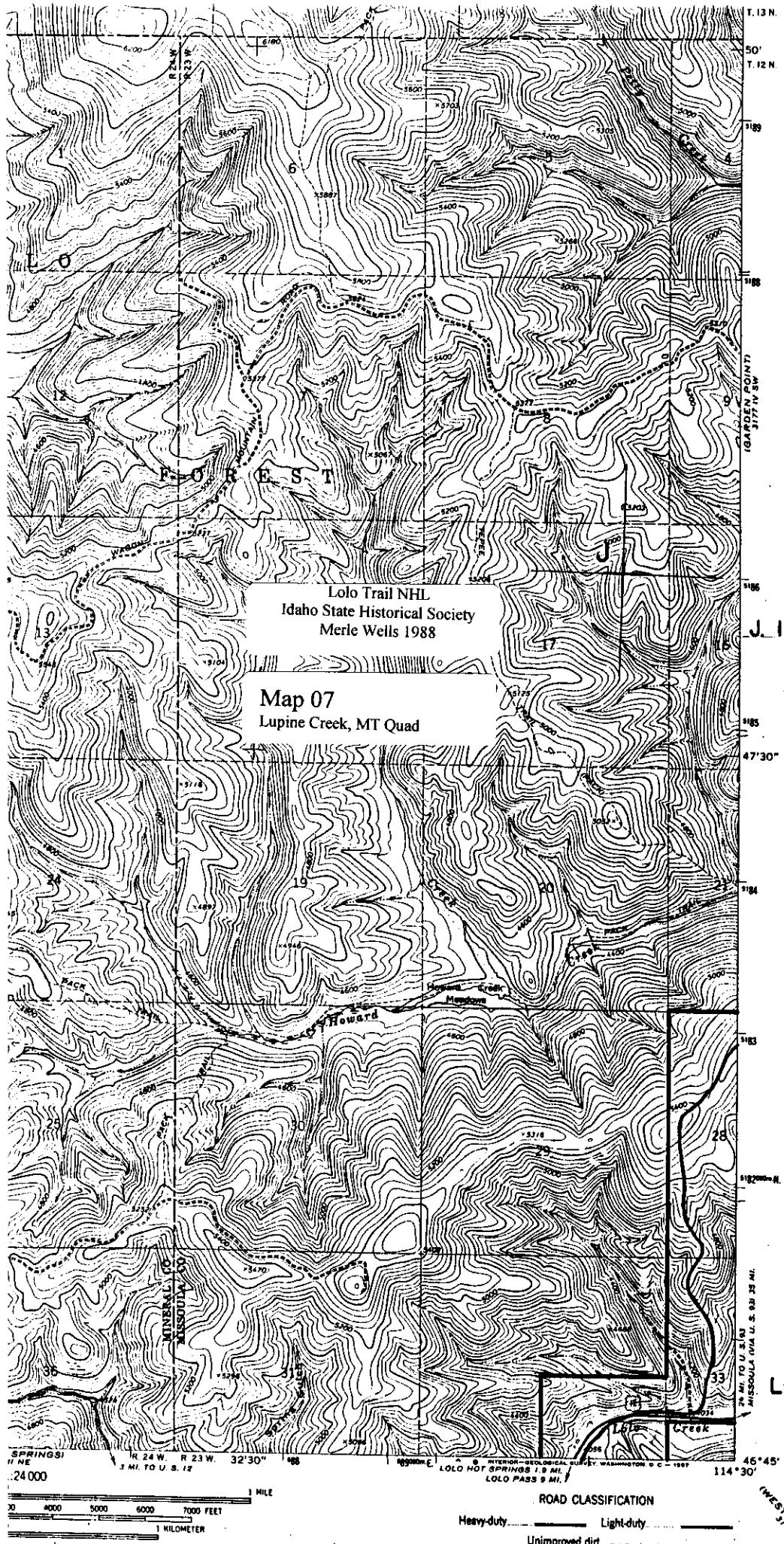
Topography by photogrammetric methods from aerial photographs taken 1963. Field checked 1964

SCALE 1:24 000

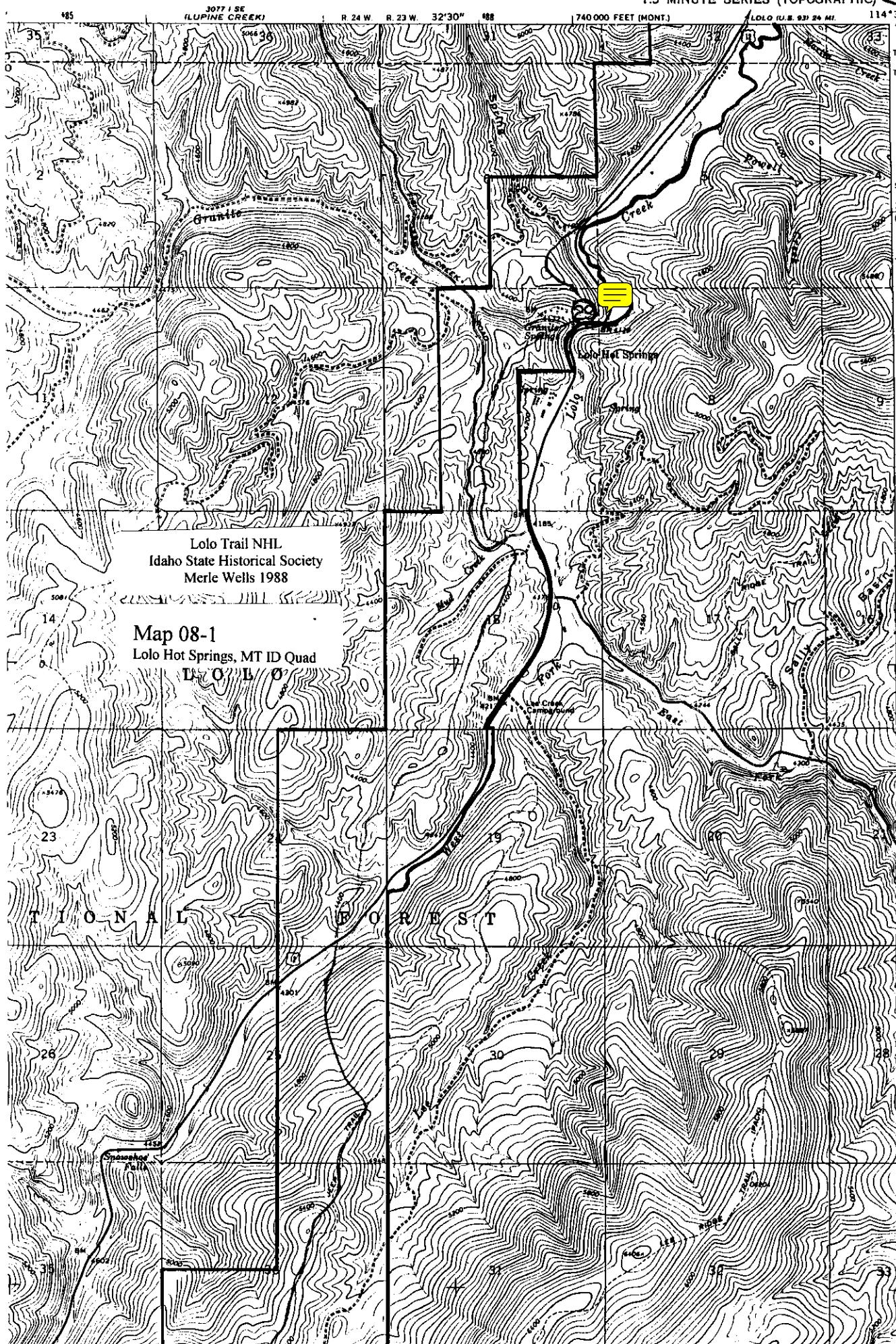
ROAD CLASSIFICATION

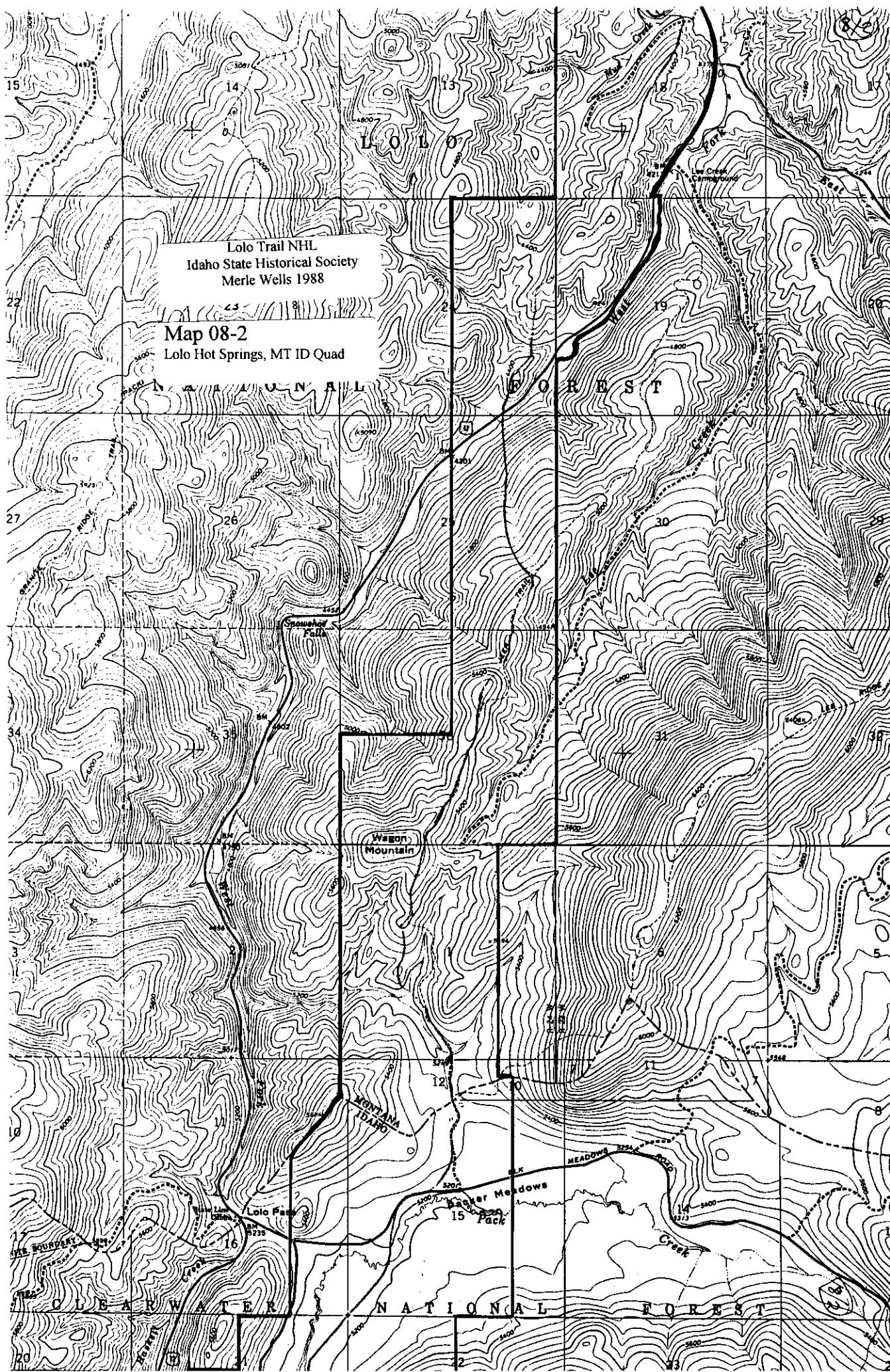
Heavy-duty ————— **Light-duty** —————
Unimproved dirt -----





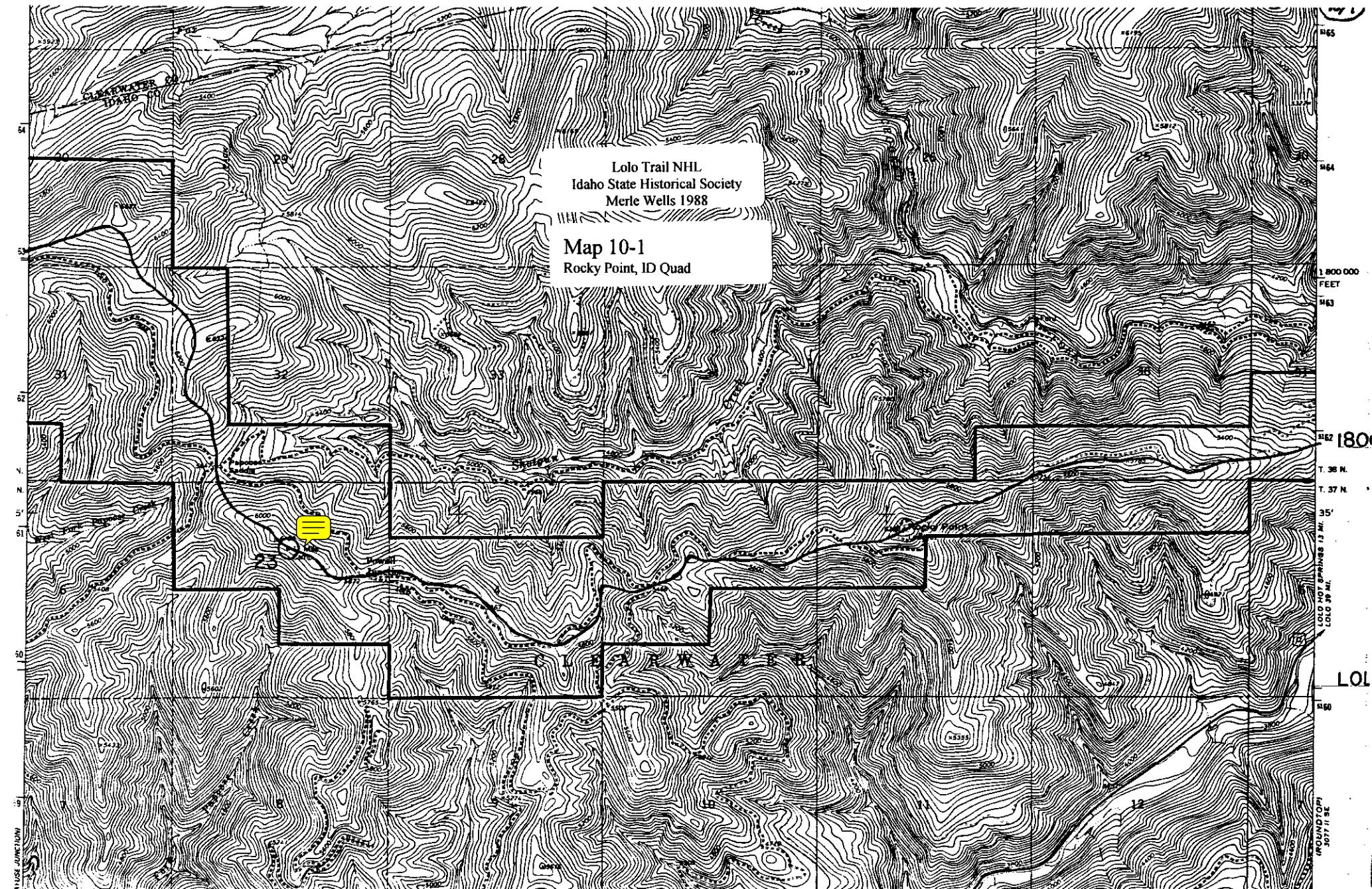
LOLO HOT SPRINGS QUADRANGLE
MONTANA-IDaho
7.5 MINUTE SERIES (TOPOGRAPHIC)





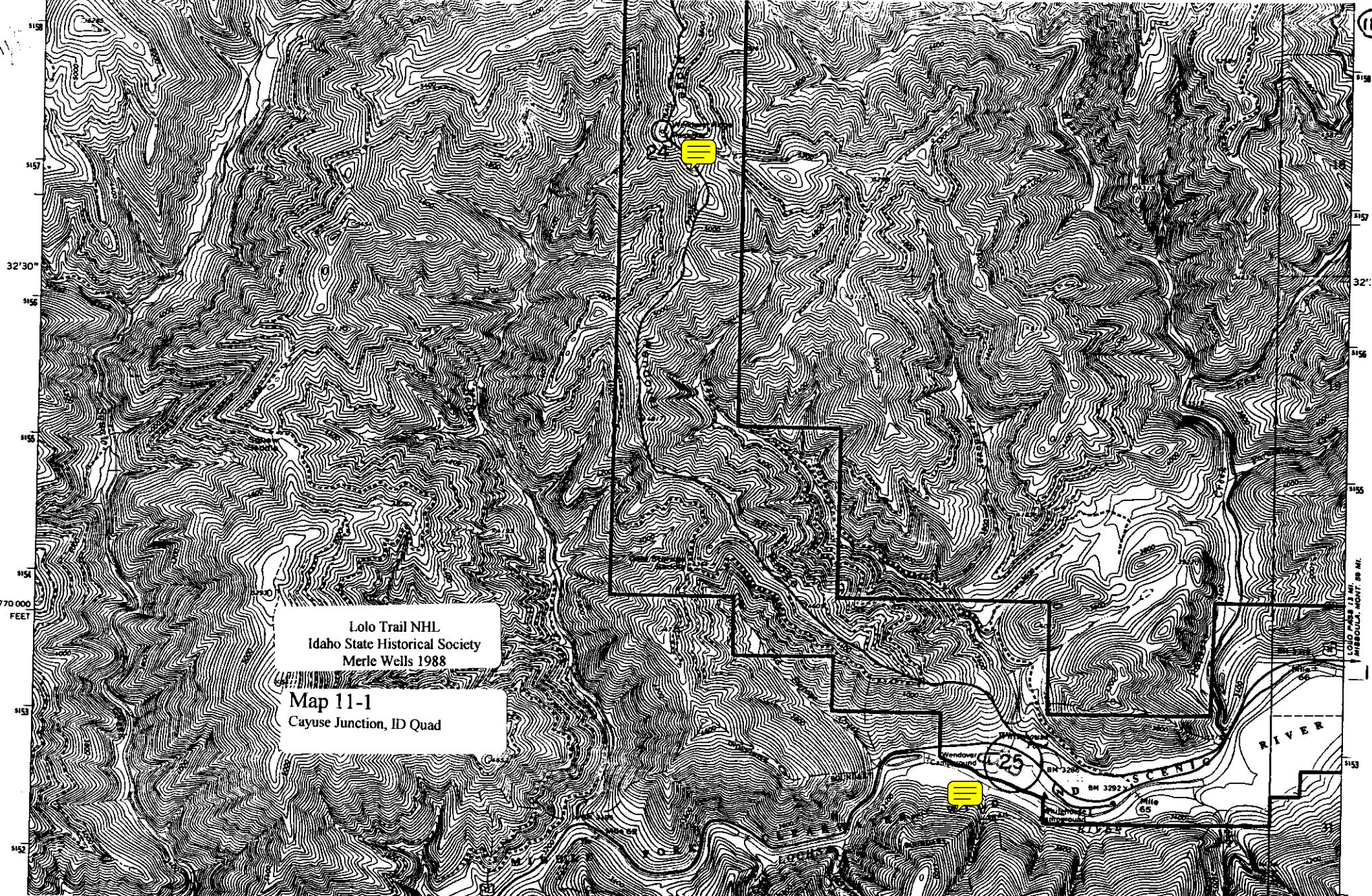
Lolo Trail NHL
Idaho State Historical Society
Merle Wells 1988

Map 10-1 Rocky Point, ID Quad

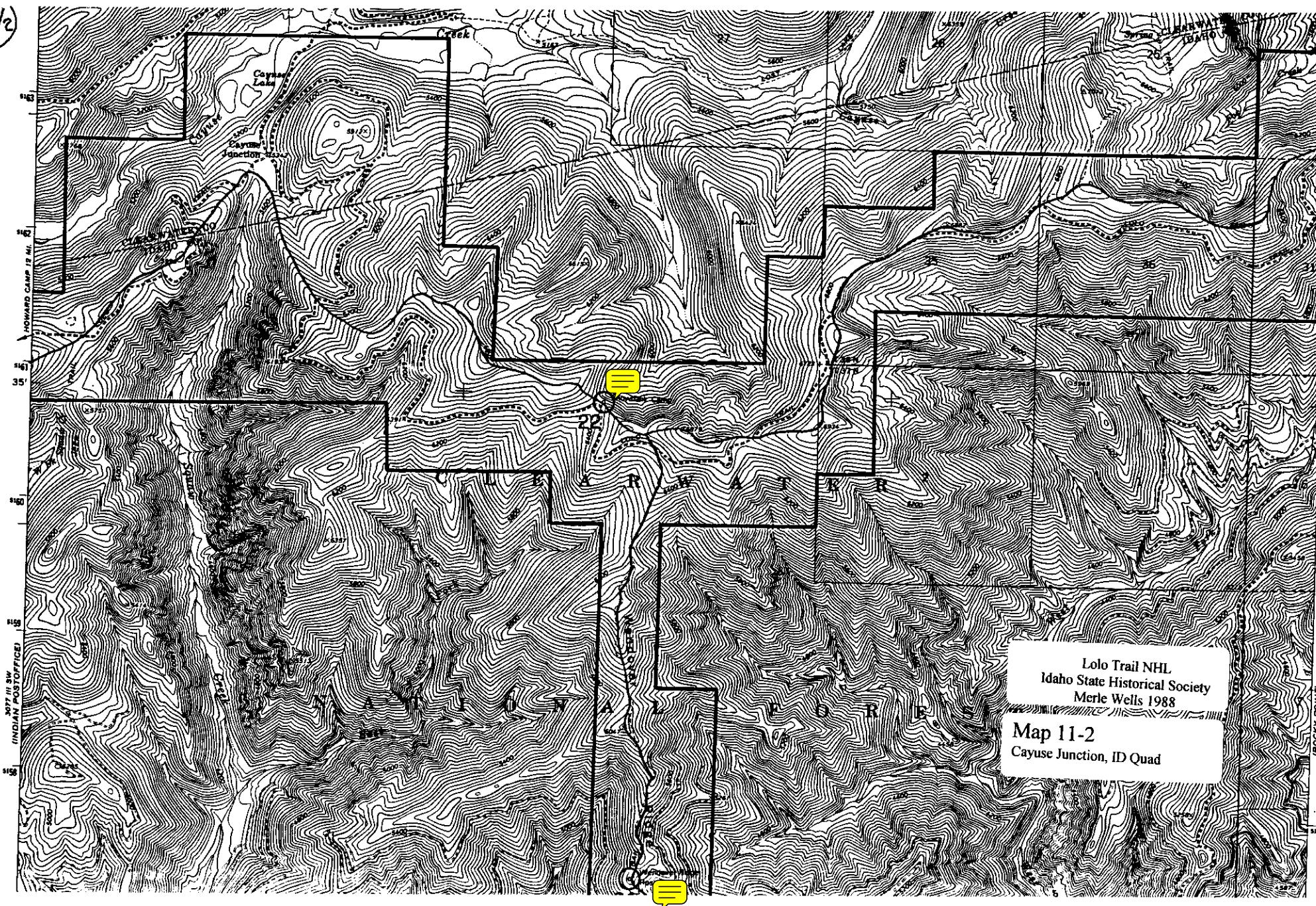


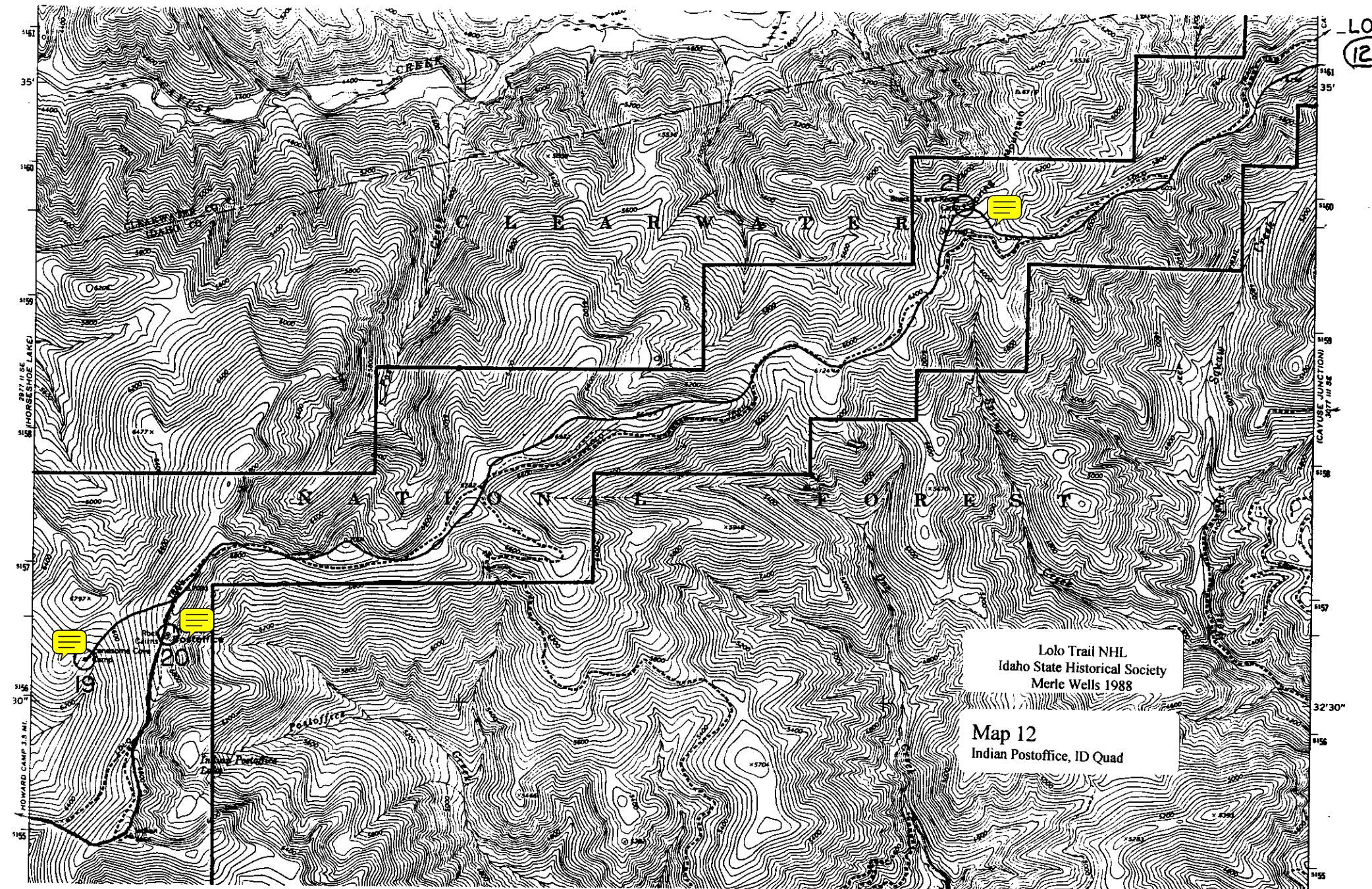
Lolo Trail NHL
Idaho State Historical Society
Merle Wells 1988

Map 10-2 Rocky Point, ID Quad



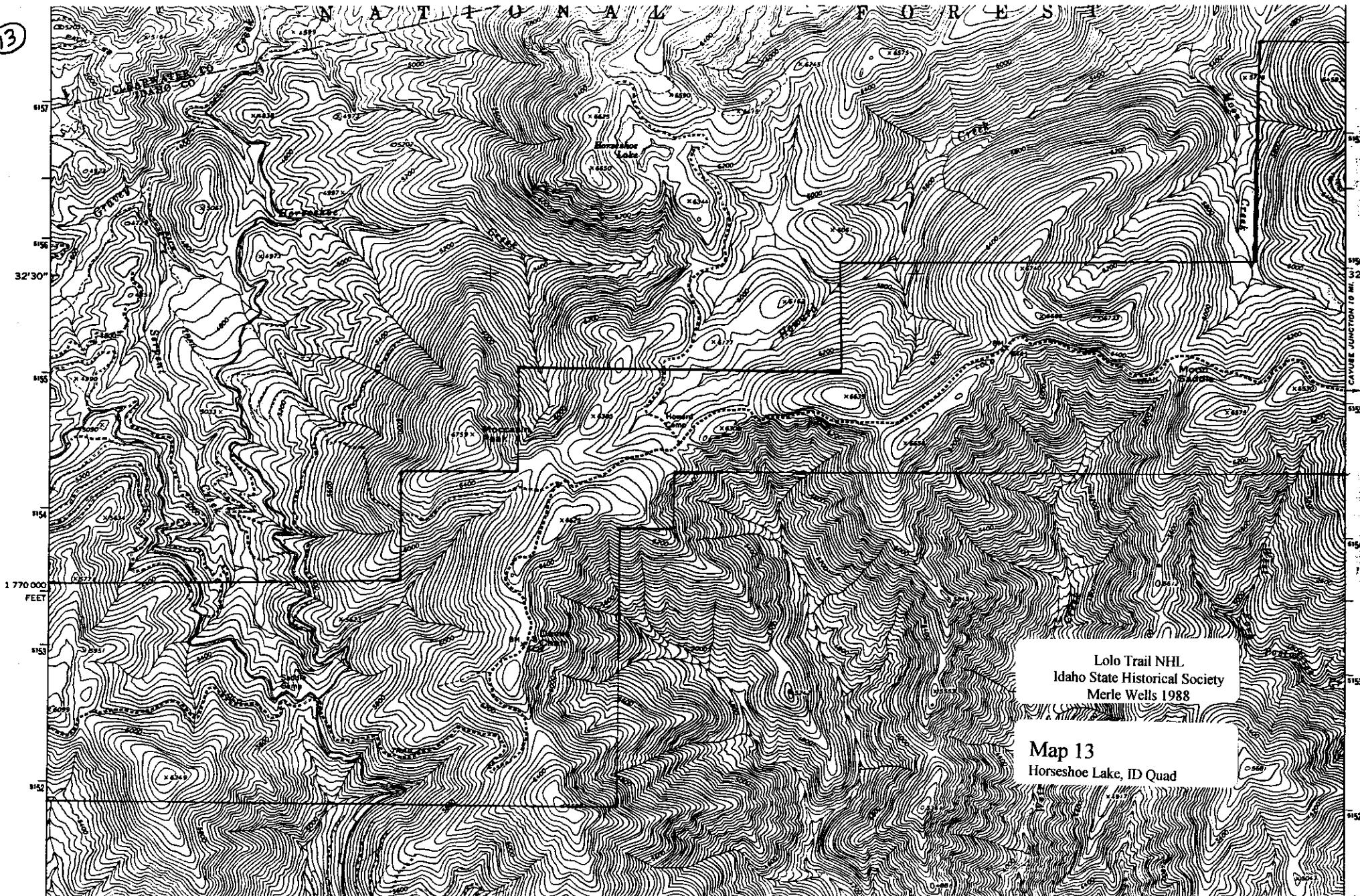
1/2





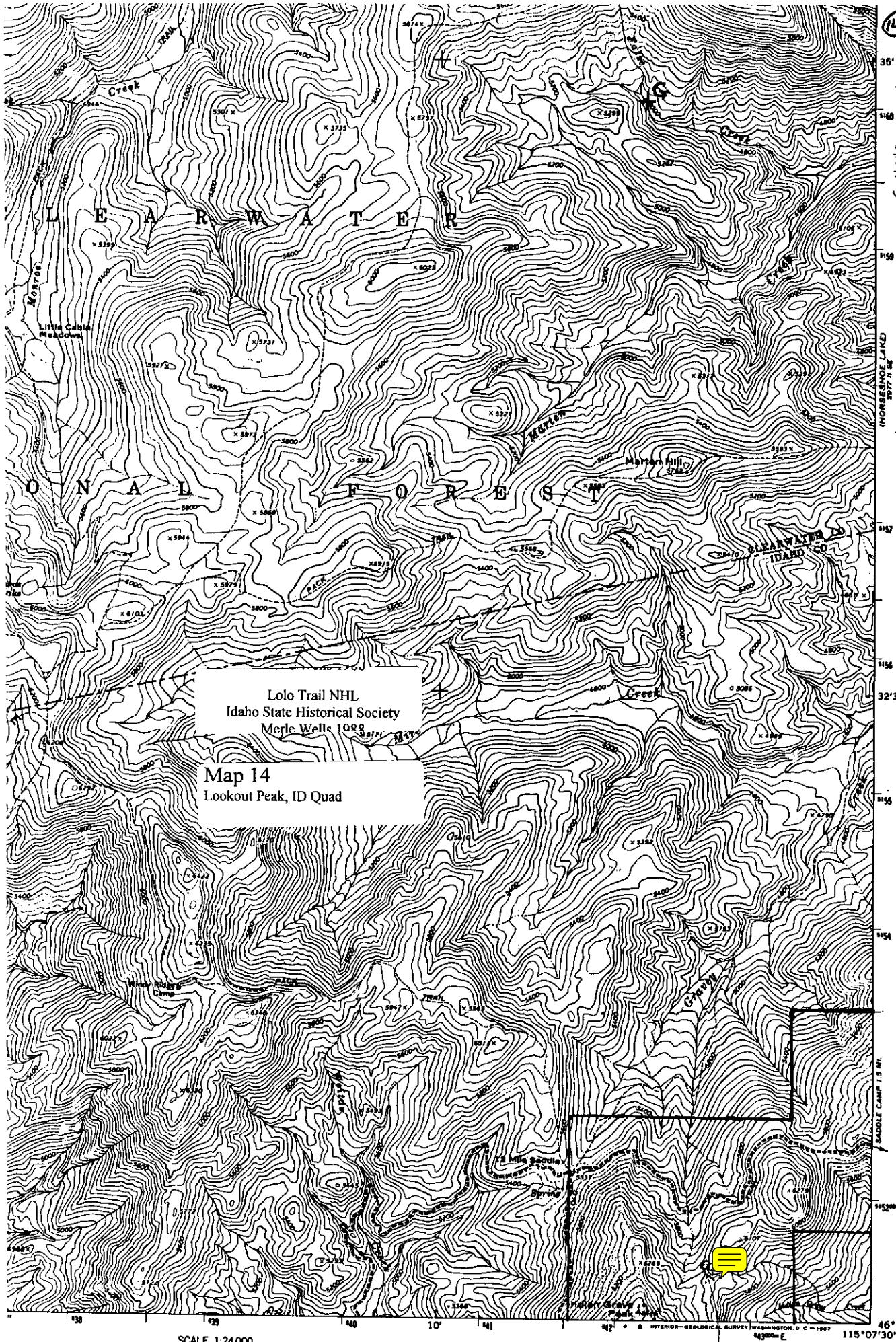
Map 12
Indian Postoffice, ID Quad

13



Map 13
Horseshoe Lake, ID Quad

Lolo Trail NHL
Idaho State Historical Society
Merle Wells 1988



SCALE 1:24 000

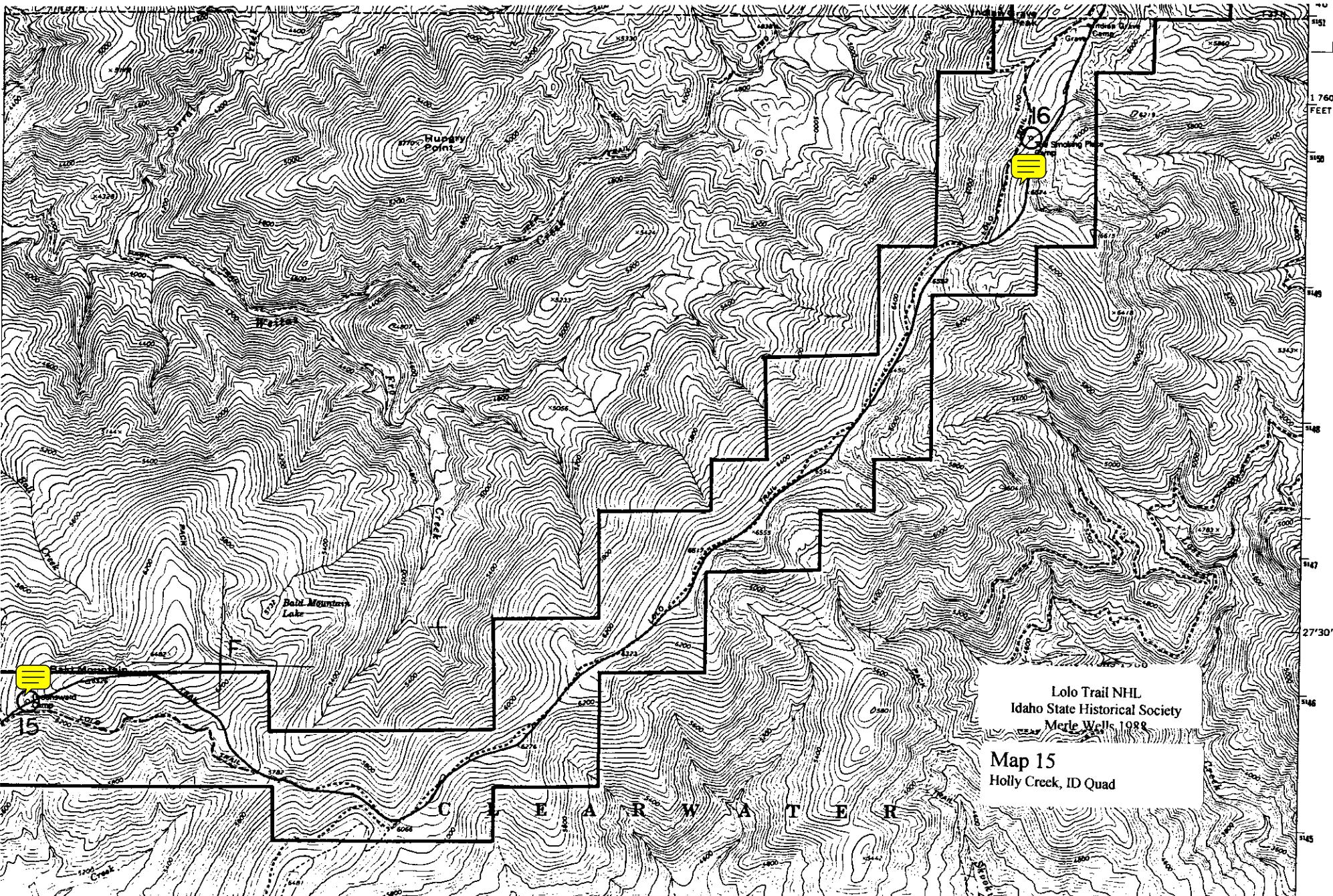
SURVEY WASHINGTON D.C. - 1967 40
43000-E 115°07'30"

11

1 760 000
FEET

Lolo Trail NHL
Idaho State Historical Society
Merle Wells 1988

Map 15
Holly Creek, ID Quad

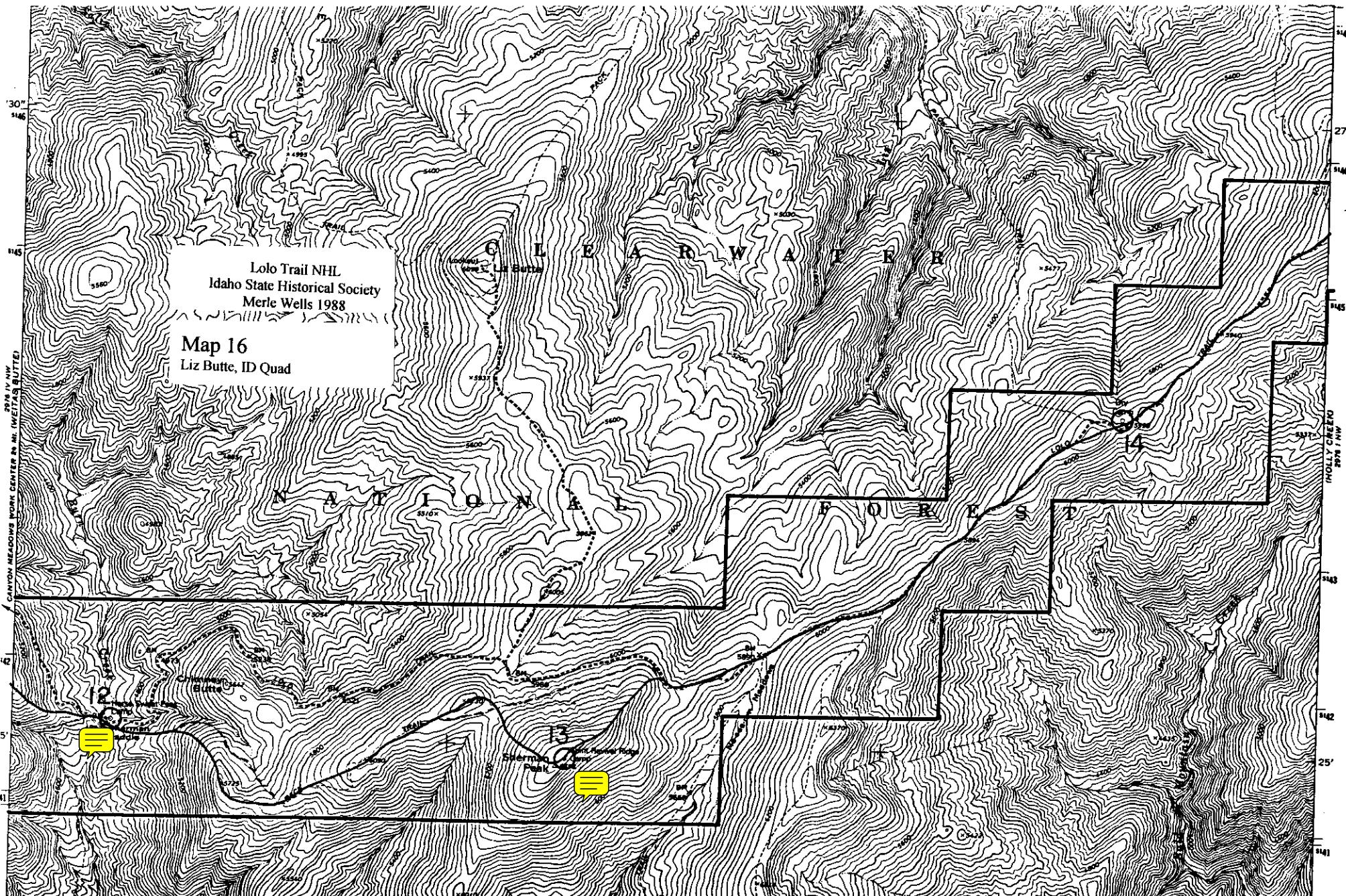


16

Lolo Trail NHL
Idaho State Historical Society
Merle Wells 1988

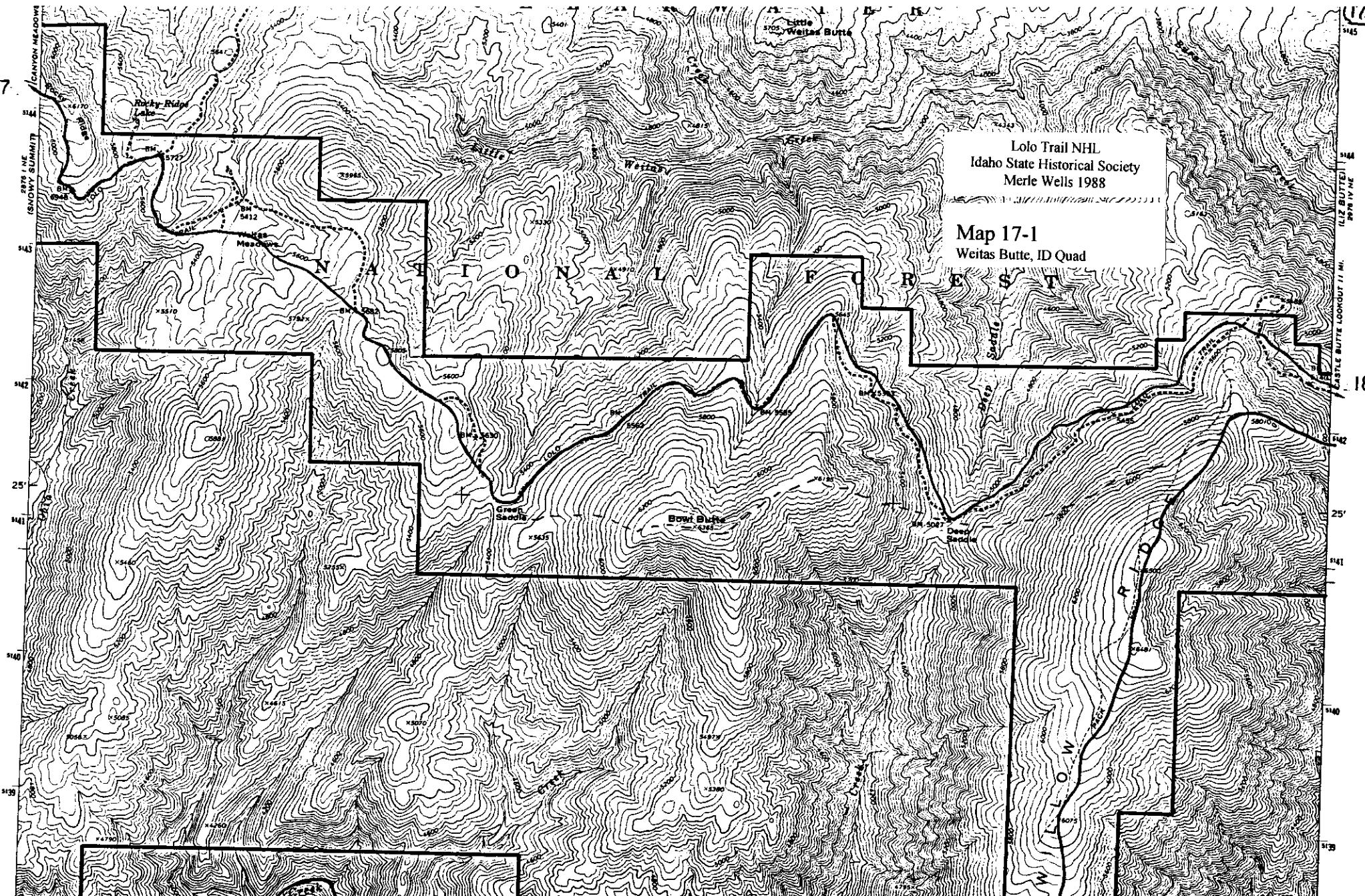
Map 16

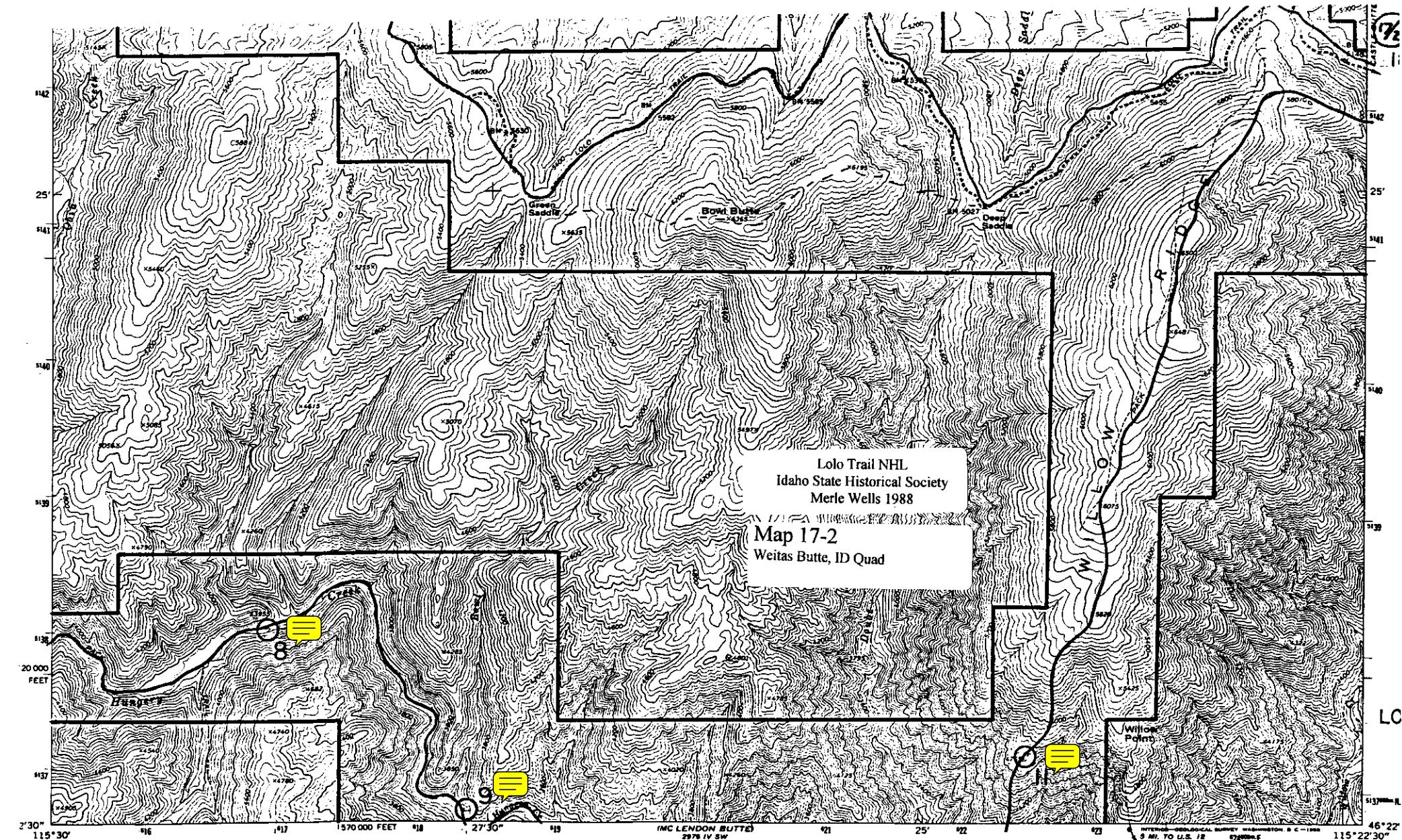
Liz Butte, ID Quad



Lolo Trail NHL
Idaho State Historical Society
Merle Wells 1988

Map 17-1
Weitas Butte, ID Quad





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Control by USGS and USC&GS

Topography by photogrammetric methods from aerial photographs taken 1965. Field checked 1965



SCALE 1:24000

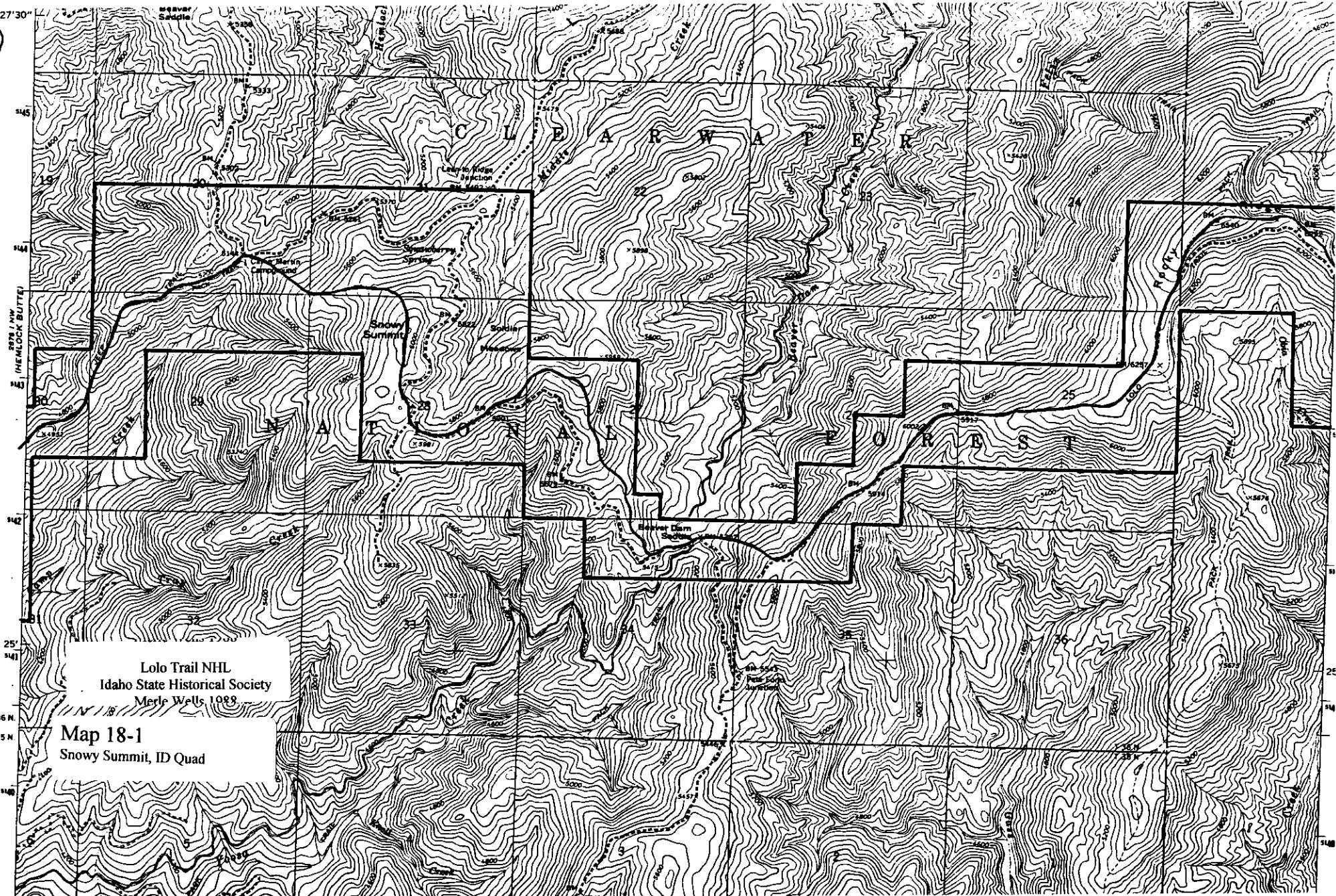
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00 3000 4000

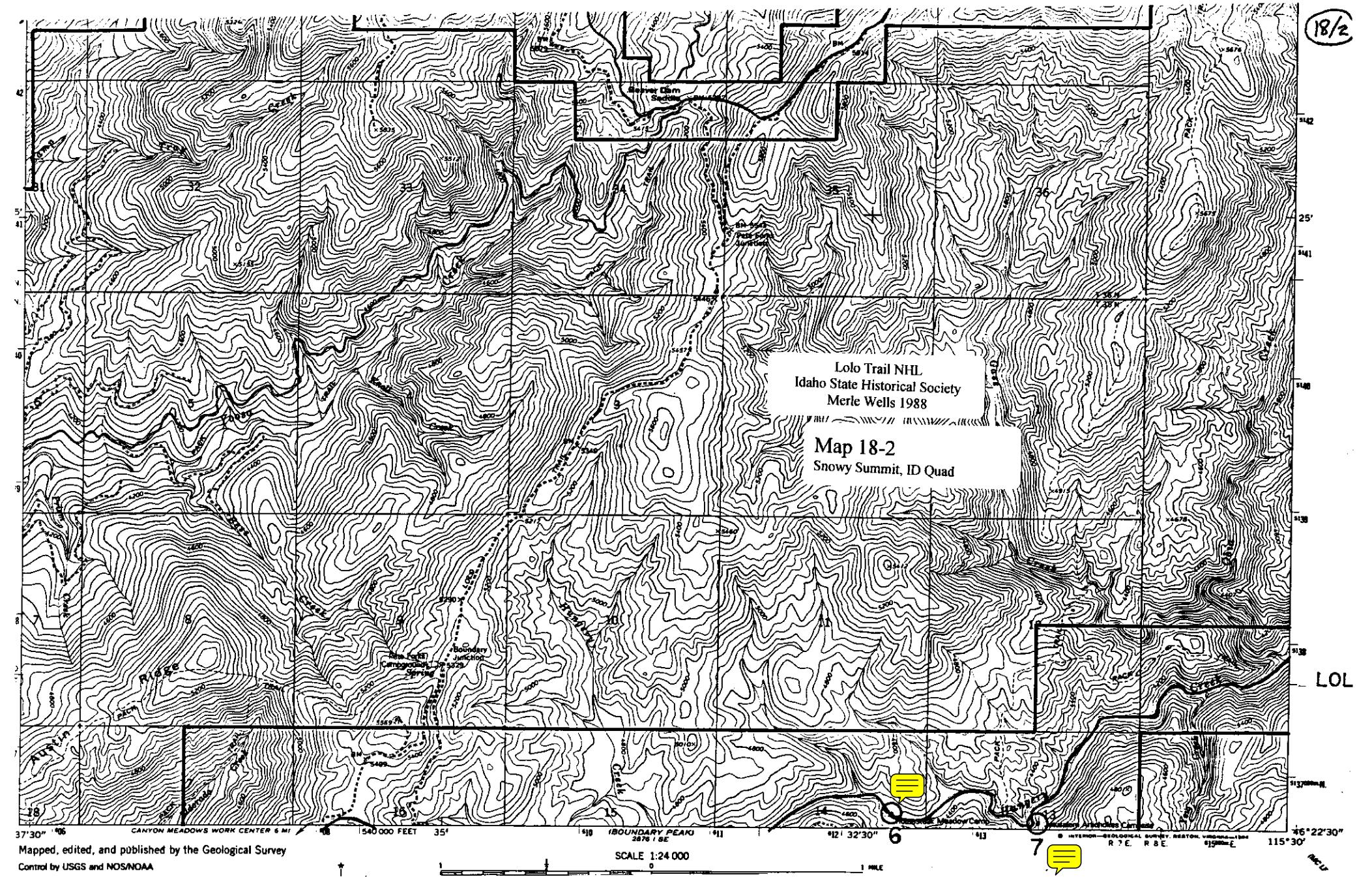
1 KILOMETER

ROAD CLASSIFICATION

三

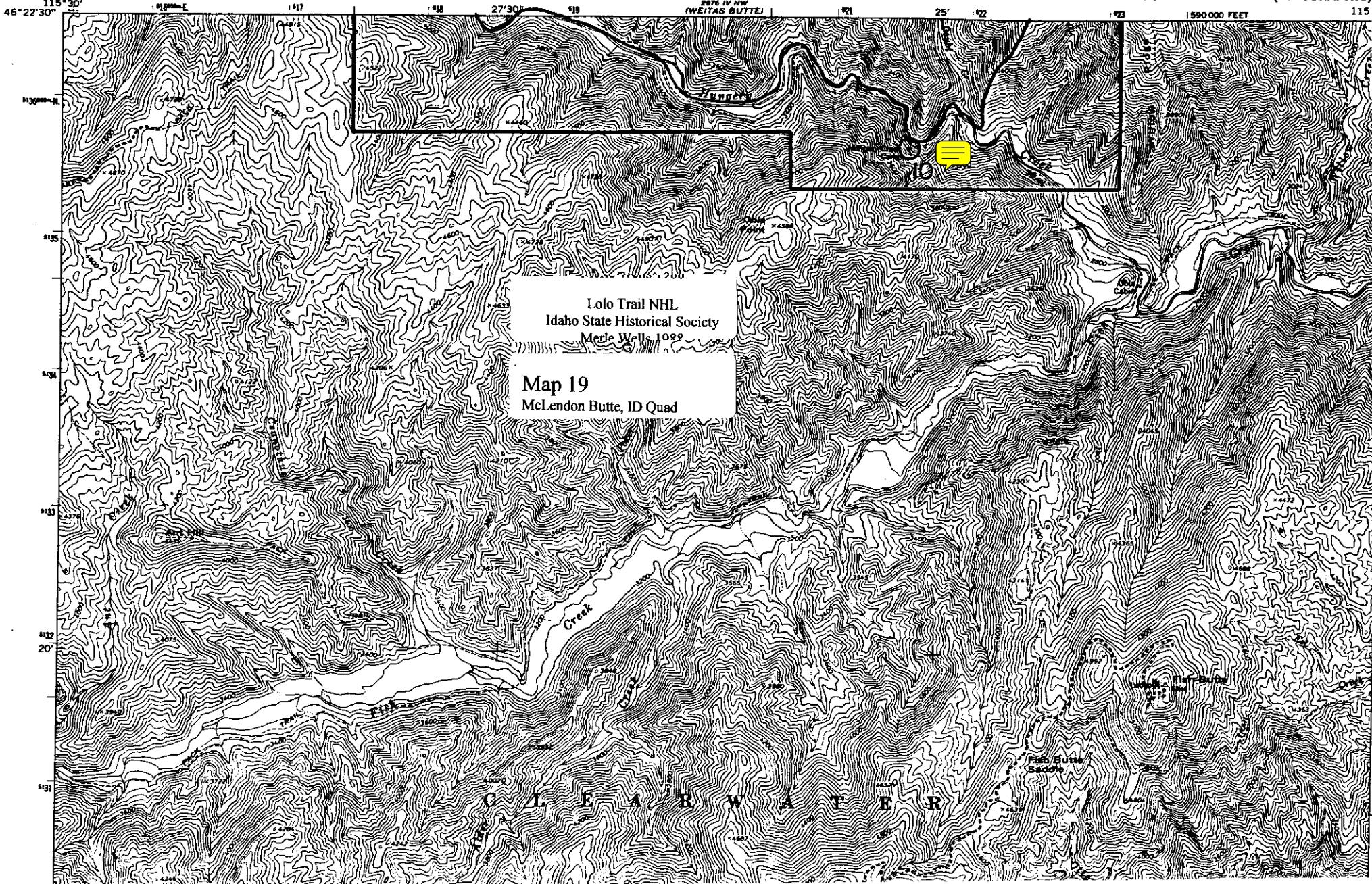


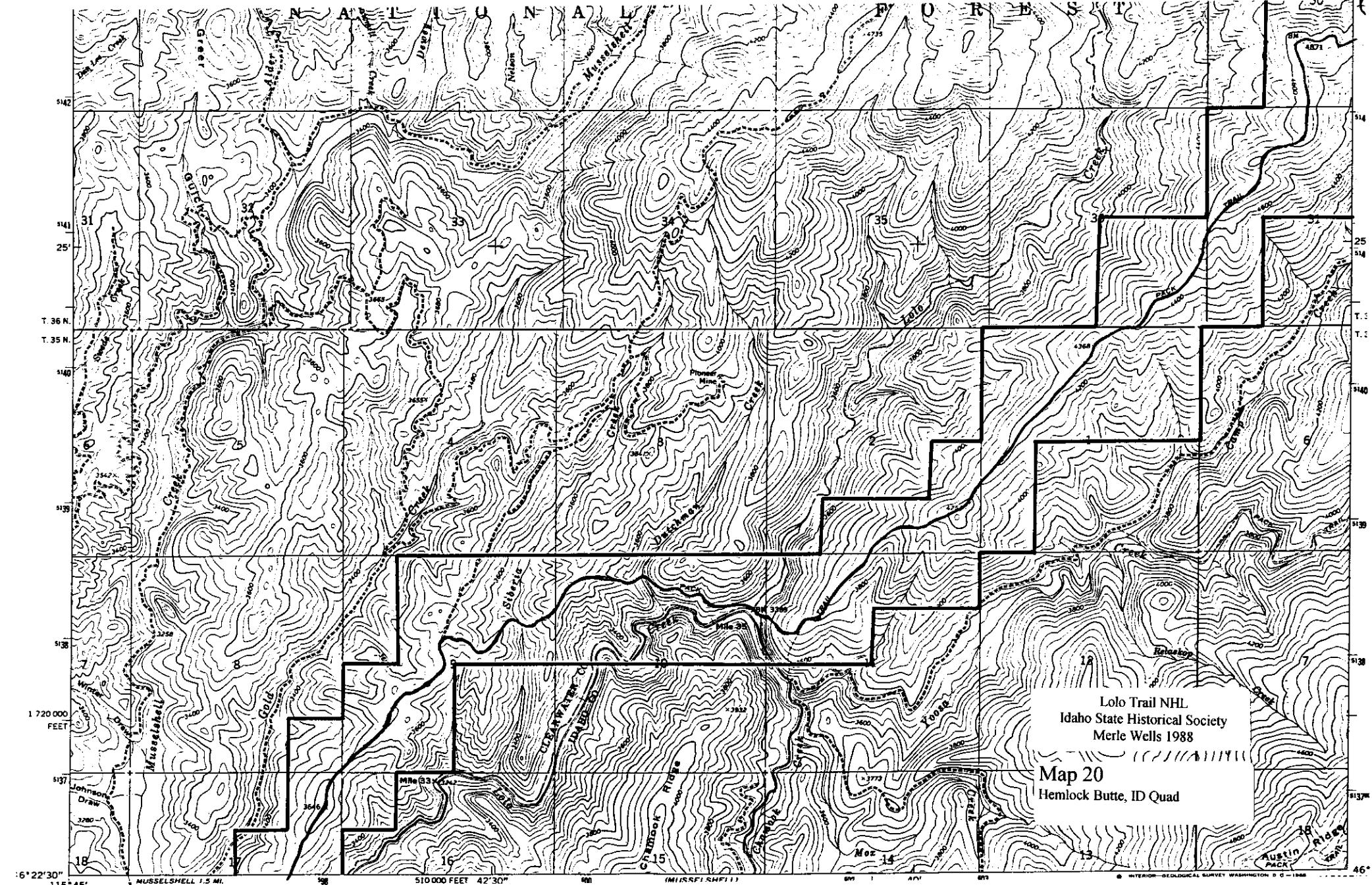
18/z

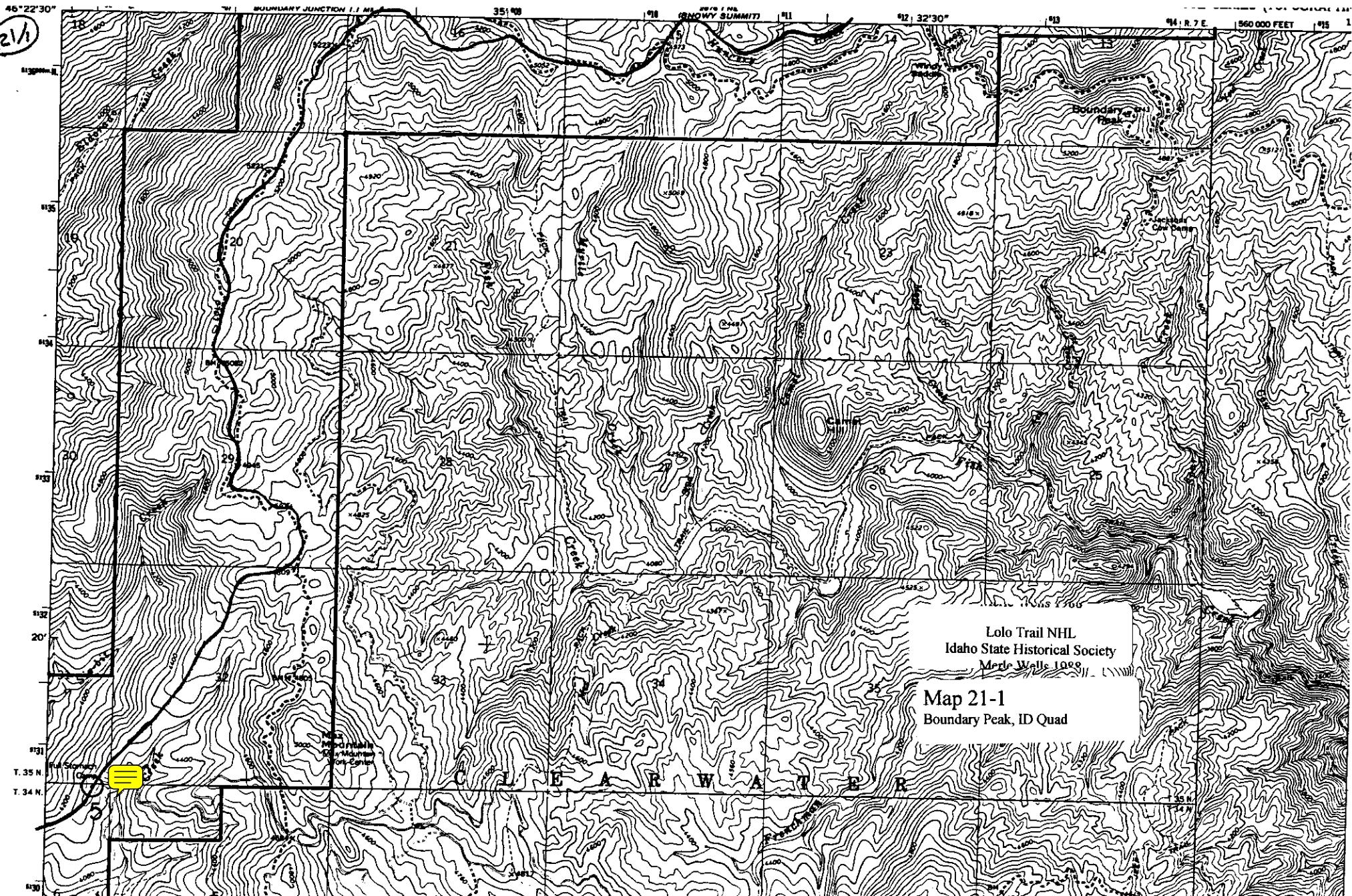


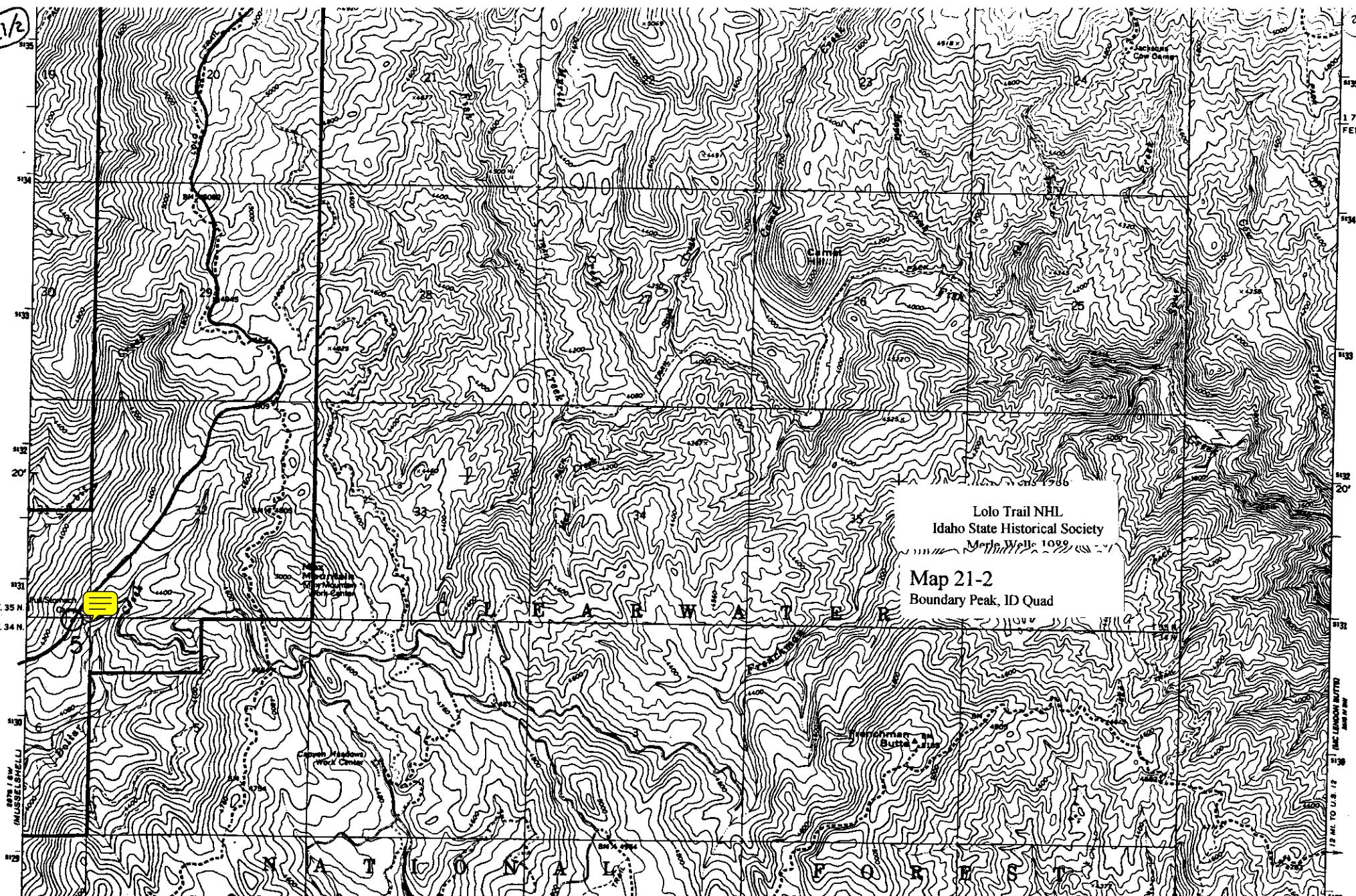
Mapped, edited, and published by the Geological Survey

Control by USGS and NOS/NOAA

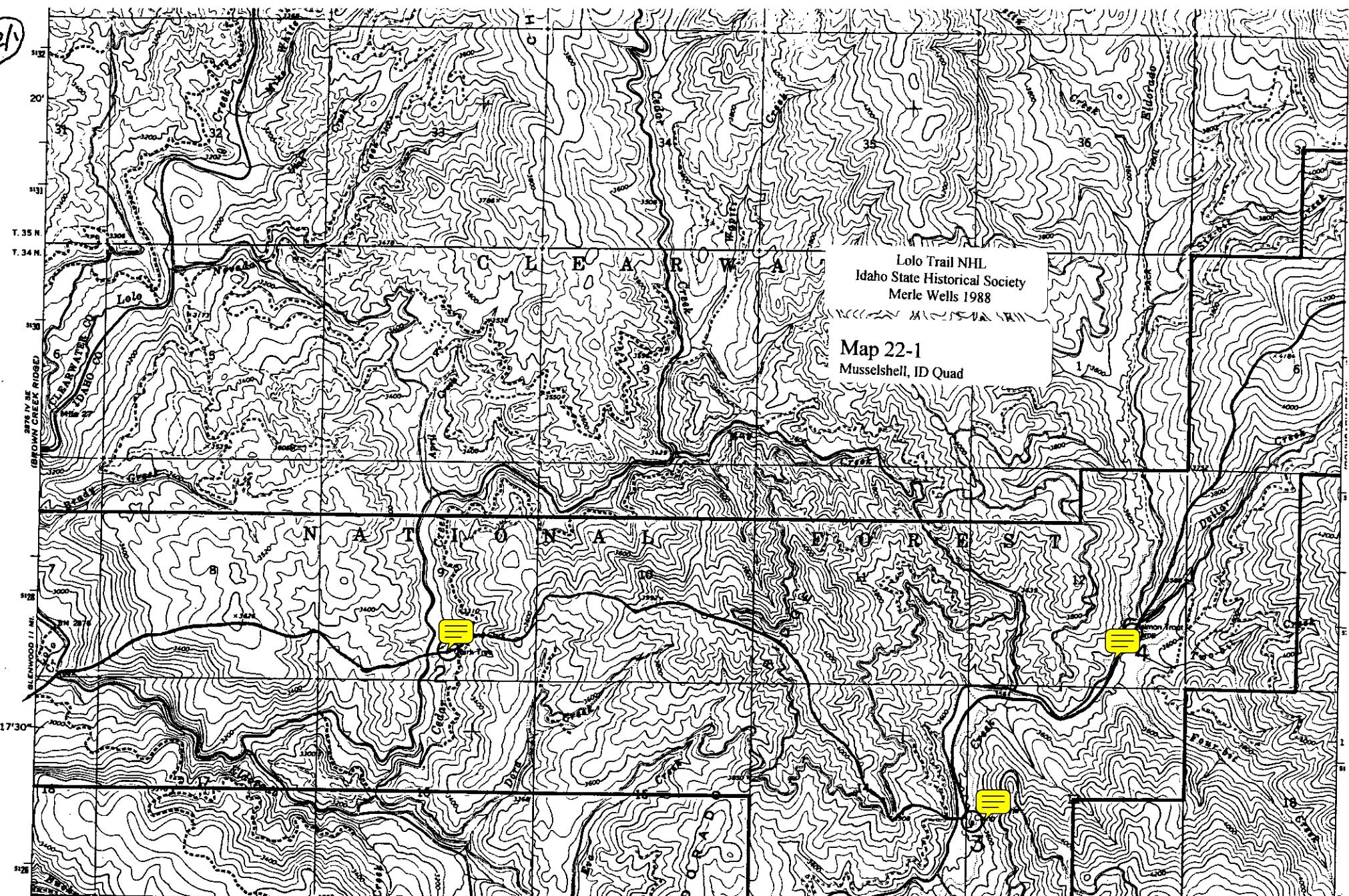






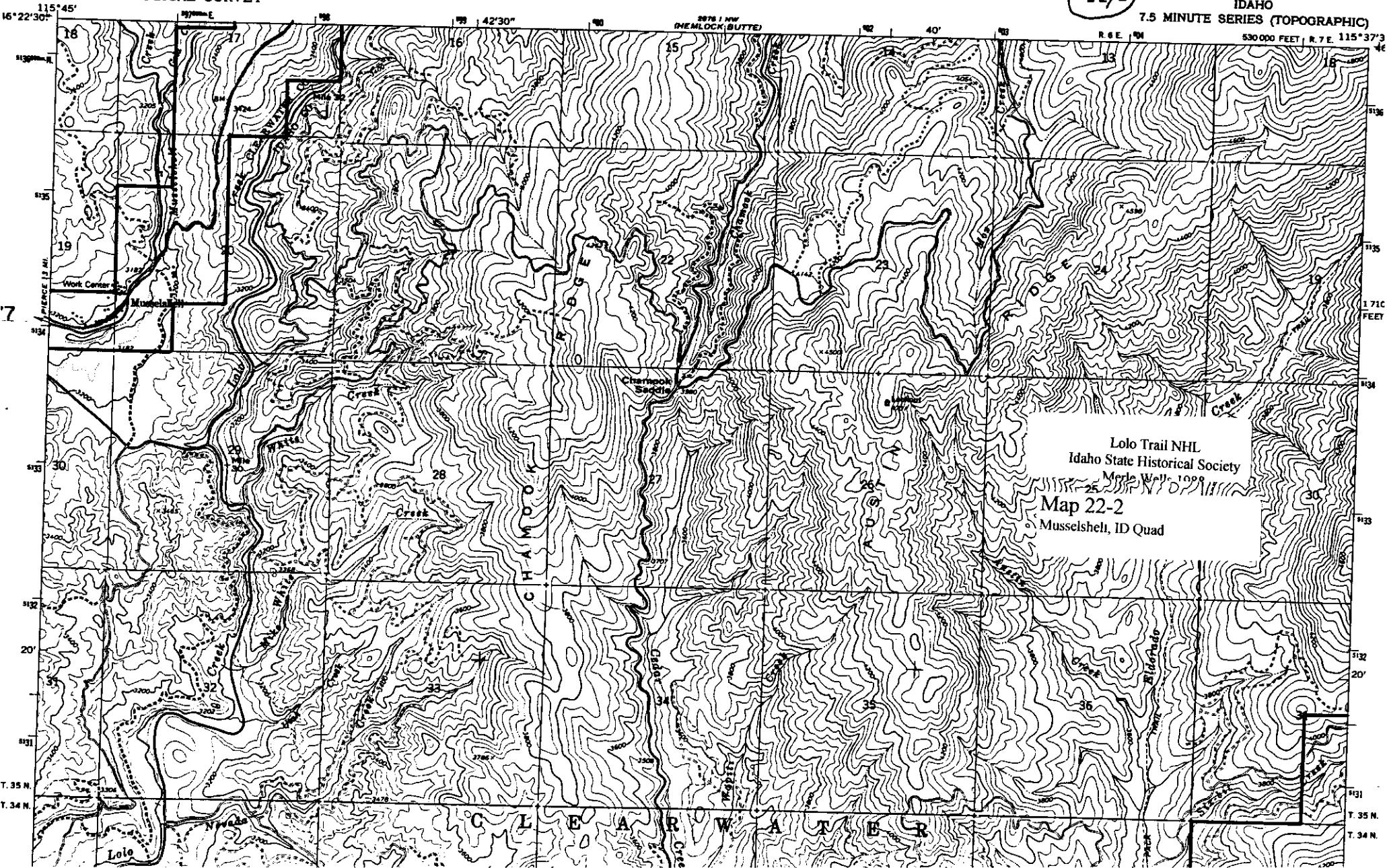


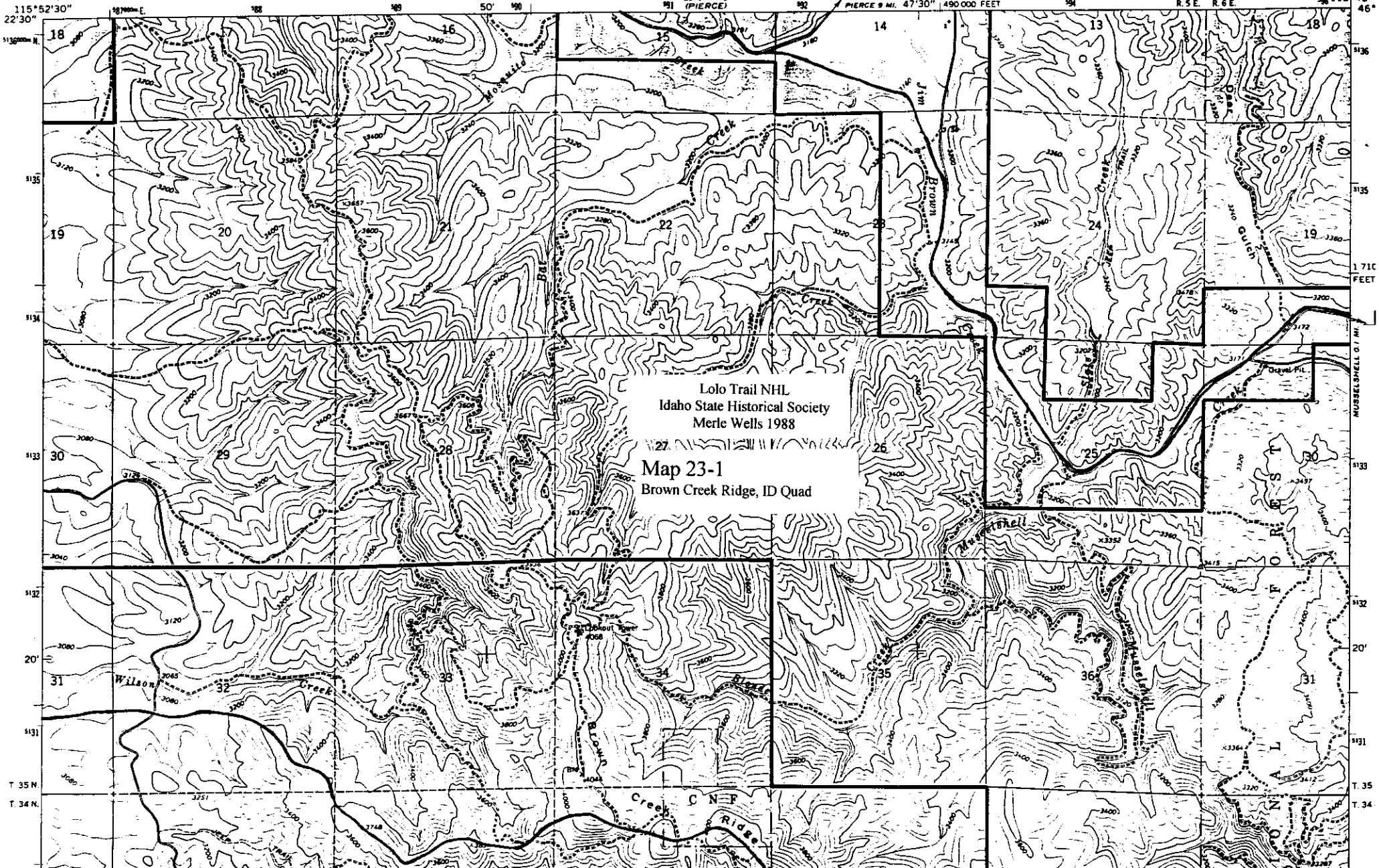
221



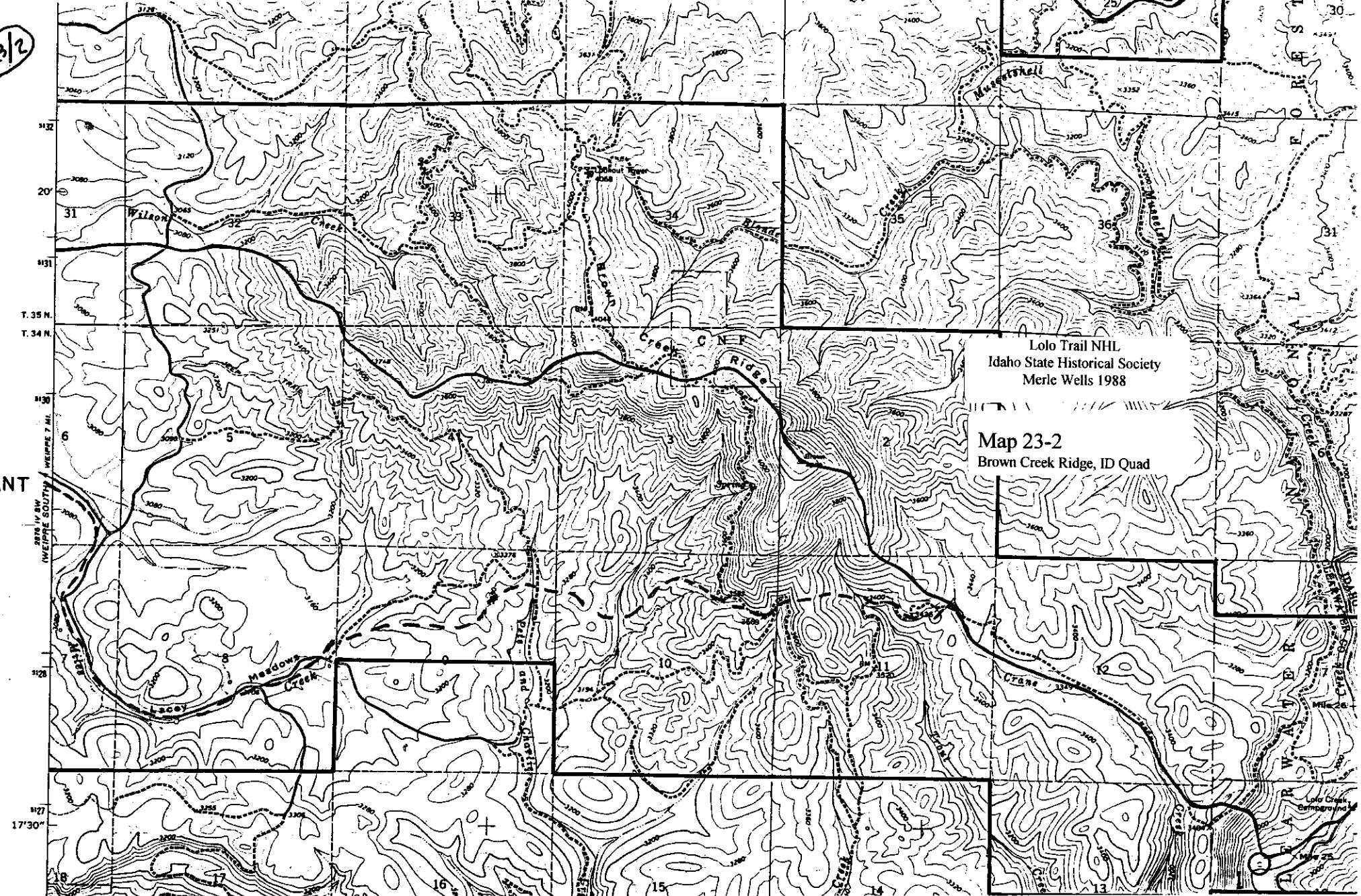
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

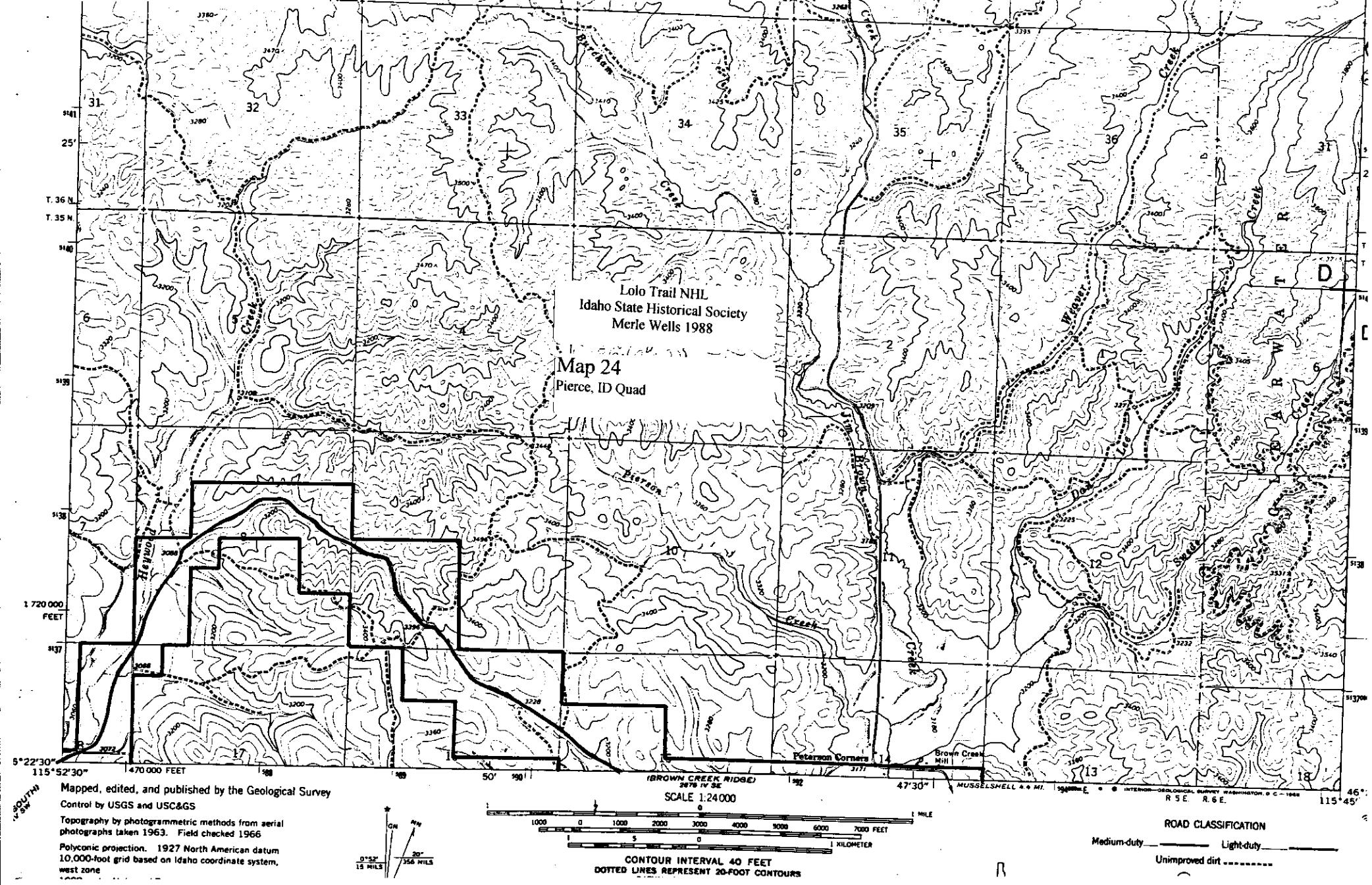
**22/2 MUSSELSHELL QUADRANGLE
IDAHO
7.5 MINUTE SERIES (TOPOGRAPHIC)**





23/2





LOLO TRAIL NHL
C. II-586000 - 5140000

Lolo Trail NHL
Idaho State Historical Society
Merle Wells 1988

Map 25
Weippe North, ID Quad

1877

(BROWN GREEK RIDGE)

INTERIOR GEOLOGICAL SURVEY, RESTON, VIRGINIA—1984

185 R. 4 E. R. S. E. 500' E. 115° 52' 30"

186 46° 22' 30"

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189 190 191 192

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